

Fei Qu

List of Publications by Year in descending order

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66
papers

2,201
citations

172207

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233125

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docs citations

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times ranked

3044
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#	ARTICLE	IF	CITATIONS
1	Highly Sensitive Fluorescent and Colorimetric pH Sensor Based on Polyethylenimine-Capped Silver Nanoclusters. <i>Langmuir</i> , 2013, 29, 1199-1205.	1.6	129
2	Polyethylenimine-Templated Ag Nanoclusters: A New Fluorescent and Colorimetric Platform for Sensitive and Selective Sensing Halide Ions and High Disturbance-Tolerant Recognitions of Iodide and Bromide in Coexistence with Chloride under Condition of High Ionic Strength. <i>Analytical Chemistry</i> , 2012, 84, 10373-10379.	3.2	124
3	Ni(OH) ₂ •Fe ₂ P hybrid nanoarray for alkaline hydrogen evolution reaction with superior activity. <i>Chemical Communications</i> , 2018, 54, 1201-1204.	2.2	116
4	Al-Doped Ni ₂ P nanosheet array: a superior and durable electrocatalyst for alkaline hydrogen evolution. <i>Chemical Communications</i> , 2018, 54, 2894-2897.	2.2	108
5	Polyethylenimine-capped silver nanoclusters as a fluorescence probe for sensitive detection of hydrogen peroxide and glucose. <i>Analytica Chimica Acta</i> , 2012, 749, 56-62.	2.6	101
6	Manipulation of Mitophagy by "All-in-One" nanosensitizer augments sonodynamic glioma therapy. <i>Autophagy</i> , 2020, 16, 1413-1435.	4.3	99
7	Fluorescent detection of hydrogen peroxide and glucose with polyethylenimine-templated Cu nanoclusters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 315-320.	2.0	93
8	Towards the determination of sulfonamides in meat samples: A magnetic and mesoporous metal-organic framework as an efficient sorbent for magnetic solid phase extraction combined with high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2017, 1500, 24-31.	1.8	92
9	Ultrasound-Responsive Polymeric Micelles for Sonoporation-Assisted Site-Specific Therapeutic Action. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 25706-25716.	4.0	90
10	Direct and indirect fluorescent detection of tetracyclines using dually emitting carbon dots. <i>Mikrochimica Acta</i> , 2016, 183, 2547-2553.	2.5	74
11	Rapid fluorescence assay for Sudan dyes using polyethylenimine-coated copper nanoclusters. <i>Mikrochimica Acta</i> , 2014, 181, 1069-1075.	2.5	58
12	Aggregation-induced emission enhancement of gold nanoclusters triggered by silicon nanoparticles for ratiometric detection of protamine and trypsin. <i>Analytica Chimica Acta</i> , 2019, 1046, 170-178.	2.6	54
13	Generalized One-Pot Strategy Enabling Different Surface Functionalizations of Carbon Nanodots to Produce Dual Emissions in Alcohol-Water Binary Systems. <i>Journal of Physical Chemistry C</i> , 2015, 119, 17979-17987.	1.5	45
14	Dual lanthanide-probe based on coordination polymer networks for ratiometric detection of glyphosate in food samples. <i>Food Chemistry</i> , 2020, 323, 126815.	4.2	45
15	Self-assembled gold nanoclusters for fluorescence turn-on and colorimetric dual-readout detection of alkaline phosphatase activity via DCIP-mediated fluorescence resonance energy transfer. <i>Talanta</i> , 2019, 194, 55-62.	2.9	44
16	Dual-emission carbon nanodots as a ratiometric nanosensor for the detection of glucose and glucose oxidase. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 320-327.	4.0	41
17	A label-free fluorescence turn-on assay for glutathione detection by using MnO ₂ nanosheets assisted aggregation-induced emission-silica nanospheres. <i>Talanta</i> , 2017, 169, 1-7.	2.9	41
18	Dual ultrasonic-assisted dispersive liquid-liquid microextraction coupled with microwave-assisted derivatization for simultaneous determination of 20(S)-protopanaxadiol and 20(S)-protopanaxatriol by ultra high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1437, 49-57.	1.8	37

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19	A terbium-based metal-organic framework@gold nanoparticle system as a fluorometric probe for aptamer based determination of adenosine triphosphate. <i>Mikrochimica Acta</i> , 2018, 185, 359.	2.5	37
20	Ratiometric detection of Zn ²⁺ and Cd ²⁺ based on self-assembled nanoarchitectures with dual emissions involving aggregation enhanced emission (AEE) and its application. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4995-5002.	2.9	37
21	A versatile DNA detection scheme based on the quenching of fluorescent silver nanoclusters by MoS ₂ nanosheets: Application to aptamer-based determination of hepatitis B virus and of dopamine. <i>Mikrochimica Acta</i> , 2017, 184, 4417-4424.	2.5	36
22	Solvatochromism of polyethyleneimine-encapsulated Ag nanoclusters and their concentration-dependent fluorescence. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4008.	2.7	35
23	Polyethylenimine-Capped Silver Nanoclusters as a Fluorescence Probe for Highly Sensitive Detection of Folic Acid through a Two-Step Electron-Transfer Process. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 6592-6599.	2.4	35
24	A fluorescent sensor for detecting dopamine and tyrosinase activity by dual-emission carbon dots and gold nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 162, 212-219.	2.5	35
25	High selectivity of colorimetric detection of p-nitrophenol based on Ag nanoclusters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 171, 449-453.	2.0	34
26	In situ growth of polydopamine on surface of covalent organic frameworks under the catalysis of acid phosphatase for dopamine detection. <i>Chinese Chemical Letters</i> , 2021, 32, 3368-3371.	4.8	34
27	Diverse States and Properties of Polymer Nanoparticles and Gel Formed by Polyethyleneimine and Aldehydes and Analytical Applications. <i>Analytical Chemistry</i> , 2015, 87, 8679-8686.	3.2	33
28	Aggregation-induced emission of copper nanoclusters triggered by synergistic effect of dual metal ions and the application in the detection of H ₂ O ₂ and related biomolecules. <i>Talanta</i> , 2020, 207, 120289.	2.9	33
29	Emissions of terbium metal-organic frameworks modulated by dispersive/agglomerated gold nanoparticles for the construction of prostate-specific antigen biosensor. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 3979-3988.	1.9	31
30	Turn-on fluorescent detection of melamine based on Ag nanoclusters@Hg ²⁺ system. <i>New Journal of Chemistry</i> , 2016, 40, 8459-8464.	1.4	27
31	Differentiation of multi-metal ions based on fluorescent dual-emission carbon nanodots. <i>RSC Advances</i> , 2015, 5, 82570-82575.	1.7	23
32	Determination of adenosine triphosphate based on the use of fluorescent terbium(III) organic frameworks and aptamer modified gold nanoparticles. <i>Mikrochimica Acta</i> , 2020, 187, 34.	2.5	22
33	Colorimetric detection of heparin with high sensitivity based on the aggregation of gold nanoparticles induced by polymer nanoparticles. <i>New Journal of Chemistry</i> , 2017, 41, 10592-10597.	1.4	21
34	Sensitive fluorescence detection of heparin based on self-assembly of mesoporous silica nanoparticle@gold nanoclusters with emission enhancement characteristics. <i>Analyst</i> , 2018, 143, 5388-5394.	1.7	20
35	Fluorescent silver nanoclusters capped by polyethyleneimine with different molecular weights: Universal synthesis and application as a temperature sensor. <i>Journal of Luminescence</i> , 2016, 177, 133-138.	1.5	18
36	A new dual-emission fluorescence sensor based on carbon nanodots and gold nanoclusters for the detection of melamine. <i>New Journal of Chemistry</i> , 2017, 41, 9438-9443.	1.4	18

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37	Highly selective metal-organic framework-based sensor for protamine through photoinduced electron transfer. <i>Journal of Materials Science</i> , 2019, 54, 3144-3155.	1.7	18
38	Aggregation, dissolution and cyclic regeneration of Ag nanoclusters based on pH-induced conformational changes of polyethyleneimine template in aqueous solutions. <i>RSC Advances</i> , 2015, 5, 6043-6050.	1.7	17
39	A highly water-soluble, sensitive, coumarin-based fluorescent probe for detecting thiols, and its application in bioimaging. <i>New Journal of Chemistry</i> , 2017, 41, 15277-15282.	1.4	16
40	Apoptosis and autophagy induced by DVDMS-PDT on human esophageal cancer Eca-109 cells. <i>Photodiagnosis and Photodynamic Therapy</i> , 2018, 24, 198-205.	1.3	16
41	Recognition and determination of multi-metal ions based on silver nanoclusters capped by polyethyleneimine with different molecular weights. <i>New Journal of Chemistry</i> , 2015, 39, 9293-9298.	1.4	15
42	A tunable pH-sensing system based on Ag nanoclusters capped by hyperbranched polyethyleneimine with different molecular weights. <i>Talanta</i> , 2016, 146, 549-555.	2.9	15
43	A ratiometric detection of heparin with high sensitivity based on aggregation-enhanced emission of gold nanoclusters triggered by silicon nanoparticles. <i>Talanta</i> , 2019, 193, 37-43.	2.9	14
44	Fluorescent turn-off/on bioassay for hemoglobin based on dual-emission carbon nanodots-graphene oxide system with multi-detection strategies. <i>Analytica Chimica Acta</i> , 2016, 921, 59-66.	2.6	13
45	Copper nanoclusters@Al ³⁺ complexes with strong and stable aggregation-induced emission for application in enzymatic determination of urea. <i>Mikrochimica Acta</i> , 2020, 187, 457.	2.5	13
46	Ratiometric detection of alkaline phosphatase based on aggregation-induced emission enhancement. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7431-7440.	1.9	12
47	A covalent organic framework-MnO ₂ nanosheet system for determination of glutathione. <i>Journal of Materials Science</i> , 2020, 55, 10022-10034.	1.7	12
48	Fluorescent Detection of 2,4-Dichlorophenoxyacetic Acid in Food Samples Based on Covalent Organic Frameworks and MnO ₂ Nanosheets. <i>Food Analytical Methods</i> , 2020, 13, 1842-1851.	1.3	12
49	Rapid determination of vitamin B ₁₂ (cobalamin) based on silver nanoclusters capped by polyethyleneimine with different molecular weights and terminal groups. <i>Analytical Methods</i> , 2016, 8, 4324-4327.	1.3	11
50	pH-modulated aggregation-induced emission of Au/Cu nanoclusters and its application to the determination of urea and dissolved ammonia. <i>Mikrochimica Acta</i> , 2021, 188, 113.	2.5	11
51	Ratiometric captopril assay based on the recovery of the Bi(ⁱⁱⁱ)-quenched yellow fluorescence of dually emitting carbon nanodots. <i>New Journal of Chemistry</i> , 2017, 41, 2227-2230.	1.4	9
52	High selectivity for sodium dodecyl sulphate by polymer nanoparticles and detection of proteins based on the polymer nanoparticles-sodium dodecyl sulphate system. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 774-779.	4.0	8
53	Photoinduced electron transfer from polymer-templated Ag nanoclusters to G-quadruplex-hemin complexes for the construction of versatile biosensors and logic gate applications. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 2211-2219.	1.9	8
54	Convenient and sensitive colorimetric detection of melamine in dairy products based on Cu(ii)-H ₂ O ₂ -3,5-dimethylbenzidine system. <i>RSC Advances</i> , 2018, 8, 34877-34882.	1.7	8

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55	Simultaneous Detection of Adenosine Triphosphate and Glucose Based on the Cu-Fenton Reaction. <i>Sensors</i> , 2018, 18, 2151.	2.1	7
56	Aggregation-enhanced emission of metal nanoclusters triggered by peptide self-assembly and application in chymotrypsin inhibitor screening. <i>Sensors and Actuators B: Chemical</i> , 2021, 345, 130243.	4.0	7
57	Peptide cleavage-mediated aggregation-enhanced emission from metal nanoclusters for detecting trypsin and screen its inhibitors from foods. <i>Sensors and Actuators B: Chemical</i> , 2022, 359, 131610.	4.0	7
58	MOF@MnO ₂ nanocomposites prepared using in situ method and recyclable cholesterol oxidase as inorganic hybrid nanoflowers for cholesterol determination. <i>Nanotechnology</i> , 2021, 32, 315502.	1.3	6
59	A colorimetric platform for sensitively differentiating telomere DNA with different lengths, monitoring G-quadruplex and dsDNA based on silver nanoclusters and unmodified gold nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 196, 148-154.	2.0	5
60	A fluorescence strategy for monitoring α -glucosidase activity and screening its inhibitors from Chinese herbal medicines based on Cu nanoclusters with aggregation-induced emission. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2553-2563.	1.9	5
61	Preparation of carbon nanodots capped by polyethylene glycol as a multifunctional sensor for temperature and paracetamol. <i>Analytical Methods</i> , 2017, 9, 4533-4538.	1.3	4
62	Lead halide perovskites with aggregation-induced emission feature coupled with gold nanoparticles for fluorescence detection of heparin. <i>Nanotechnology</i> , 2021, 32, 235501.	1.3	4
63	Aggregation-induced emission of lead halide perovskites modulated by dispersed/aggregated gold nanoparticles for application in the detection of dopamine. <i>Materials Research Bulletin</i> , 2021, 142, 111405.	2.7	3
64	Terbium (III)-based Metallacrowns with aggregation-induced emission feature coupled with Cu (II) for fluorescence detection of cysteine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 275, 121181.	2.0	3
65	A resonance Rayleigh scattering sensor for sensitive differentiation of telomere DNA length and monitoring special motifs (G-quadruplex and i-motif) based on the Ag nanoclusters and NAND logic gate responding to chemical input signals. <i>Journal of Nanobiotechnology</i> , 2018, 16, 78.	4.2	2
66	Polarity-reversal producing phase transfer of hydrophilic silver nanoclusters capped by a hyperbranched polymer from water to nonpolar organic solvents. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	0