Cheng Zhi Huang

List of Publications by Year
in descending order

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		15466	24179
377	17,377	65	110
papers	citations	h-index	g-index

382	382	382	16789
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Carbon dots: synthesis, formation mechanism, fluorescence origin and sensing applications. Green Chemistry, 2019, 21, 449-471.	4.6	821
2	Highly selective detection of phosphate in very complicated matrixes with an offâ€“on fluorescent probe of europium-adjusted carbon dots. Chemical Communications, 2011, 47, 2604.	2.2	441
3	One-pot hydrothermal synthesis of highly luminescent nitrogen-doped amphoteric carbon dots for bioimaging from Bombyx mori silk â€“ natural proteins. Journal of Materials Chemistry B, 2013, 1, 2868.	2.9	440
4	A general quantitative pH sensor developed with dicyandiamide N-doped high quantum yield graphene quantum dots. Nanoscale, 2014, 6, 3868-3874.	2.8	369
5	Determination of Nucleic Acids by a Resonance Light-Scattering Technique with Î±,Î²,Î³,Î´-Tetrakis[4-(trimethylammoniumyl)phenyl]porphine. Analytical Chemistry, 1996, 68, 2259-2263.	3.2	357
6	Assembly of Aptamer Switch Probes and Photosensitizer on Gold Nanorods for Targeted Photothermal and Photodynamic Cancer Therapy. ACS Nano, 2012, 6, 5070-5077.	7.3	334
7	Visual observation of the mercury-stimulated peroxidase mimetic activity of gold nanoparticles. Chemical Communications, 2011, 47, 11939.	2.2	280
8	Synthesis of Ag Nanocubes 18â€“32 nm in Edge Length: The Effects of Polyol on Reduction Kinetics, Size Control, and Reproducibility. Journal of the American Chemical Society, 2013, 135, 1941-1951.	6.6	275
9	Curcumin modified silver nanoparticles for highly efficient inhibition of respiratory syncytial virus infection. Nanoscale, 2016, 8, 3040-3048.	2.8	224
10	Synthesis of nitrogen-doping carbon dots with different photoluminescence properties by controlling the surface states. Nanoscale, 2016, 8, 6770-6776.	2.8	214
11	An inner filter effect based sensor of tetracycline hydrochloride as developed by loading photoluminescent carbon nanodots in the electrospun nanofibers. Nanoscale, 2016, 8, 2999-3007.	2.8	194
12	Fluorescent carbon dots functionalization. Advances in Colloid and Interface Science, 2019, 270, 165-190.	7.0	181
13	Polyol Synthesis of Ultrathin Pd Nanowires via Attachmentâ€Based Growth and Their Enhanced Activity towards Formic Acid Oxidation. Advanced Functional Materials, 2014, 24, 131-139.	7.8	173
14	Goldâ€Coated Fe₃O₄ Nanoroses with Five Unique Functions for Cancer Cell Targeting, Imaging, and Therapy. Advanced Functional Materials, 2014, 24, 1772-1780.	7.8	172
15	Highly fluorescent carbon dots as selective and visual probes for sensing copper ions in living cells via an electron transfer process. Biosensors and Bioelectronics, 2017, 97, 157-163.	5.3	169
16	Facile in Situ Synthesis of Silver Nanoparticles on the Surface of Metalâ€“Organic Framework for Ultrasensitive Surface-Enhanced Raman Scattering Detection of Dopamine. Analytical Chemistry, 2015, 87, 12177-12182.	3.2	168
17	Chiral nanoprobes for targeting and long-term imaging of the Golgi apparatus. Chemical Science, 2017, 8, 6829-6835.	3.7	167
18	A surfactant-assisted redox hydrothermal route to prepare highly photoluminescent carbon quantum dots with aggregation-induced emission enhancement properties. Chemical Communications, 2013, 49, 8015.	2.2	160

#	Article	IF	Citations
19	Carbon dots synthesized at room temperature for detection of tetracycline hydrochloride. Analytica Chimica Acta, 2019, 1063, 144-151.	2.6	160
20	Synergistic antiviral effect of curcumin functionalized graphene oxide against respiratory syncytial virus infection. Nanoscale, 2017, 9, 16086-16092.	2.8	152
21	Controllable Synthesis of Porphyrinâ€Based 2D Lanthanide Metalâ€“Organic Frameworks with Thicknessâ€• and Metalâ€Nodeâ€Dependent Photocatalytic Performance. Angewandte Chemie - International Edition, 2020, 59, 3300-3306.	7.2	148
22	Graphene Signal Amplification for Sensitive and Real-Time Fluorescence Anisotropy Detection of Small Molecules. Analytical Chemistry, 2013, 85, 1424-1430.	3.2	146
23	Toxicity of graphene oxide and multi-walled carbon nanotubes against human cells and zebrafish. Science China Chemistry, 2012, 55, 2209-2216.	4.2	141
24	Large-scale simultaneous synthesis of highly photoluminescent green amorphous carbon nanodots and yellow crystalline graphene quantum dots at room temperature. Green Chemistry, 2017, 19, 3611-3617.	4.6	141
25	Highly selective detection of 2,4,6-trinitrophenol by using newly developed terbium-doped blue carbon dots. Analyst, The, 2016, 141, 2676-2681.	1.7	136
26	One-Step Label-Free Optical Genosensing System for Sequence-Specific DNA Related to the Human Immunodeficiency Virus Based on the Measurements of Light Scattering Signals of Gold Nanorods. Analytical Chemistry, 2008, 80, 8424-8430.	3.2	126
27	One-step synthesis of fluorescent hydroxyls-coated carbon dots with hydrothermal reaction and its application to optical sensing of metal ions. Science China Chemistry, 2011, 54, 1342-1347.	4.2	122
28	Fe3O4 and metalâ€“organic framework MIL-101(Fe) composites catalyze luminol chemiluminescence for sensitively sensing hydrogen peroxide and glucose. Talanta, 2018, 179, 43-50.	2.9	122
29	Real-Time Dark-Field Scattering Microscopic Monitoring of the in Situ Growth of Single Ag@Hg Nanoalloys. ACS Nano, 2013, 7, 11026-11034.	7.3	121
30	In Situ Synthesis of Gold Nanoparticles/Metalâ€“Organic Gels Hybrids with Excellent Peroxidase-Like Activity for Sensitive Chemiluminescence Detection of Organophosphorus Pesticides. ACS Applied Materials & Interfaces, 2018, 10, 28868-28876.	4.0	119
31	Visual and light scattering spectrometric detections of melamine with polythymine-stabilized gold nanoparticles through specific triple hydrogen-bonding recognition. Chemical Communications, 2010, 46, 4893.	2.2	118
32	A large-scale synthesis of photoluminescent carbon quantum dots: a self-exothermic reaction driving the formation of the nanocrystalline core at room temperature. Green Chemistry, 2016, 18, 5127-5132.	4.6	118
33	Photosensitizerâ€“Gold Nanorod Composite for Targeted Multimodal Therapy. Small, 2013, 9, 3678-3684.	5.2	113
34	Redox-Active AIEgen-Derived Plasmonic and Fluorescent Core@Shell Nanoparticles for Multimodality Bioimaging. Journal of the American Chemical Society, 2018, 140, 6904-6911.	6.6	112
35	A colorimetric immunoassay for respiratory syncytial virus detection based on gold nanoparticlesâ€“graphene oxide hybrids with mercury-enhanced peroxidase-like activity. Chemical Communications, 2014, 50, 11526-11528.	2.2	106
36	Terbium(III) Modified Fluorescent Carbon Dots for Highly Selective and Sensitive Ratiometry of Stringent. Analytical Chemistry, 2018, 90, 4003-4009.	3.2	106

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37	Carbon Nanotubes as a Low Background Signal Platform for a Molecular Aptamer Beacon on the Basis of Long-Range Resonance Energy Transfer. Analytical Chemistry, 2010, 82, 8432-8437.	3.2	104
38	One-pot green synthesis of graphene oxide/gold nanocomposites as SERS substrates for malachite green detection. Analyst, The, 2013, 138, 3075.	1.7	103
39	An Enzyme-Free DNA Circuit-Assisted Graphene Oxide Enhanced Fluorescence Anisotropy Assay for MicroRNA Detection with Improved Sensitivity and Selectivity. Analytical Chemistry, 2017, 89, 8766-8771.	3.2	101
40	Controllable copper deficiency in Cu_{2â^'x}Se nanocrystals with tunable localized surface plasmon resonance and enhanced chemiluminescence. Nanoscale, 2014, 6, 10289-10296.	2.8	100
41	Germanium-doped carbon dots as a new type of fluorescent probe for visualizing the dynamic invasions of mercury(<scp>ii</scp>) ions into cancer cells. Nanoscale, 2015, 7, 16841-16847.	2.8	99
42	Hydrogen-Bond-Mediated in Situ Fabrication of AgNPs/Agar/PAN Electrospun Nanofibers as Reproducible SERS Substrates. ACS Applied Materials & Interfaces, 2015, 7, 1586-1594.	4.0	97
43	Inner filter with carbon quantum dots: A selective sensing platform for detection of hematin in human red cells. Biosensors and Bioelectronics, 2018, 100, 148-154.	5.3	96
44	End-to-end assembly of gold nanorods by means of oligonucleotideâ€“mercury(ii) molecular recognition. Chemical Communications, 2010, 46, 1332.	2.2	93
45	Carbon Nanodots-Catalyzed Chemiluminescence of Luminol: A Singlet Oxygen-Induced Mechanism. Journal of Physical Chemistry C, 2013, 117, 19219-19225.	1.5	90
46	Singlet Oxygen Involved Luminol Chemiluminescence Catalyzed by Graphene Oxide. Journal of Physical Chemistry C, 2012, 116, 21622-21628.	1.5	89
47	A functional preservation strategy for the production of highly photoluminescent emerald carbon dots for lysosome targeting and lysosomal pH imaging. Nanoscale, 2018, 10, 14705-14711.	2.8	86
48	Photothermal Soft Nanoballs Developed by Loading Plasmonic Cu_{2â€“x}Se Nanocrystals into Liposomes for Photothermal Immunoassay of Aflatoxin B₁. Analytical Chemistry, 2019, 91, 4444-4450.	3.2	84
49	Novel Iron(III)-Based Metalâ€“Organic Gels with Superior Catalytic Performance toward Luminol Chemiluminescence. ACS Applied Materials & Interfaces, 2017, 9, 31834-31840.	4.0	83
50	Visual Sandwich Immunoassay System on the Basis of Plasmon Resonance Scattering Signals of Silver Nanoparticles. Analytical Chemistry, 2009, 81, 1707-1714.	3.2	82
51	A graphene oxide enhanced fluorescence anisotropy strategy for DNAzyme-based assay of metal ions. Chemical Communications, 2013, 49, 1942.	2.2	80
52	Dark-Field Microscopy: Recent Advances in Accurate Analysis and Emerging Applications. Analytical Chemistry, 2021, 93, 4707-4726.	3.2	79
53	Green and easy synthesis of biocompatible graphene for use as an anticoagulant. RSC Advances, 2012, 2, 2322.	1.7	78
54	A distance-dependent metal-enhanced fluorescence sensing platform based on molecular beacon design. Biosensors and Bioelectronics, 2014, 52, 367-373.	5.3	78

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55	One-step synthesis of chiral carbon quantum dots and their enantioselective recognition. RSC Advances, 2016, 6, 59956-59960.	1.7	78
56	An active structure preservation method for developing functional graphitic carbon dots as an effective antibacterial agent and a sensitive pH and Al(<scp>iii</scp>) nanosensor. Nanoscale, 2017, 9, 17334-17341.	2.8	76
57	Screening sensitive nanosensors via the investigation of shape-dependent localized surface plasmon resonance of single Ag nanoparticles. Nanoscale, 2013, 5, 7458.	2.8	75
58	Photoinduced Electron Transfer Process Visualized on Single Silver Nanoparticles. ACS Nano, 2017, 11, 2085-2093.	7.3	75
59	One-pot carbonization synthesis of europium-doped carbon quantum dots for highly selective detection of tetracycline. Methods and Applications in Fluorescence, 2017, 5, 015003.	1.1	75
60	Carbon dots with aggregation induced emission enhancement for visual permittivity detection. Chemical Communications, 2016, 52, 2063-2066.	2.2	74
61	Carbon dot-based composites for catalytic applications. Green Chemistry, 2020, 22, 4034-4054.	4.6	74
62	A graphitic carbon nitride based fluorescence resonance energy transfer detection of riboflavin. Talanta, 2016, 148, 279-284.	2.9	72
63	Photoluminescence of carbon quantum dots: coarsely adjusted by quantum confinement effects and finely by surface trap states. Science China Chemistry, 2018, 61, 490-496.	4.2	72
64	Controlled synthesis of CuS caved superstructures and their application to the catalysis of organic dye degradation in the absence of light. CrystEngComm, 2015, 17, 1374-1380.	1.3	70
65	Gold nanoparticles immobilized on metalâ€“organic frameworks with enhanced catalytic performance for DNA detection. Analytica Chimica Acta, 2015, 861, 55-61.	2.6	69
66	Aggregation-induced emission enhancement of yellow photoluminescent carbon dots for highly selective detection of environmental and intracellular copper(II) ions. Chinese Chemical Letters, 2019, 30, 1410-1414.	4.8	69
67	CuO nanoparticles derived from metal-organic gel with excellent electrocatalytic and peroxidase-mimicking activities for glucose and cholesterol detection. Biosensors and Bioelectronics, 2019, 145, 111704.	5.3	68
68	A facile and green method to fabricate graphene-based multifunctional hydrogels for miniature-scale water purification. RSC Advances, 2013, 3, 9240.	1.7	65
69	Cu(<scp>i</scp>)-Doped carbon quantum dots with zigzag edge structures for highly efficient catalysis of azideâ€“alkyne cycloadditions. Green Chemistry, 2017, 19, 1494-1498.	4.6	65
70	Electrostatic Assemblies of Well-Dispersed AgNPs on the Surface of Electrospun Nanofibers as Highly Active SERS Substrates for Wide-Range pH Sensing. ACS Applied Materials & Interfaces, 2016, 8, 14802-14811.	4.0	64
71	Anthrax biomarker: An ultrasensitive fluorescent ratiometry of dipicolinic acid by using terbium(III)-modified carbon dots. Talanta, 2019, 191, 443-448.	2.9	64
72	Terbium(III) Organic Gels: Novel Antenna Effect-Induced Enhanced Electrochemiluminescence Emitters. Analytical Chemistry, 2018, 90, 12191-12197.	3.2	63

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73	Antibacterials loaded electrospun composite nanofibers: release profile and sustained antibacterial efficacy. Polymer Chemistry, 2014, 5, 1965-1975.	1.9	62
74	Functional preserving carbon dots-based fluorescent probe for mercury (II) ions sensing in herbal medicines via coordination and electron transfer. Analytica Chimica Acta, 2018, 1035, 203-210.	2.6	60
75	Energy transfer with gold nanoparticles for analytical applications in the fields of biochemical and pharmaceutical sciences. Analytical Methods, 2010, 2, 1439.	1.3	59
76	Graphene oxide as an efficient signal-to-background enhancer for DNA detection with a long range resonance energy transfer strategy. Chemical Communications, 2011, 47, 11718.	2.2	59
77	A highly selective and colorimetric assay of lysine by molecular-driven gold nanorods assembly. Biosensors and Bioelectronics, 2012, 34, 197-201.	5.3	59
78	An enzyme-induced Au@Ag coreâ€“shell nanoStructure used for an ultrasensitive surface-enhanced Raman scattering immunoassay of cancer biomarkers. Nanoscale, 2017, 9, 2640-2645.	2.8	59
79	Self-exothermic reaction prompted synthesis of single-layered graphene quantum dots at room temperature. Chemical Communications, 2017, 53, 4958-4961.	2.2	59
80	Silver nanoparticles deposited on graphene oxide for ultrasensitive surface-enhanced Raman scattering immunoassay of cancer biomarker. Nanoscale, 2018, 10, 11942-11947.	2.8	59
81	Ultrasensitive Electrochemiluminescence Detection of MicroRNA via One-Step Introduction of a Target-Triggered Branched Hybridization Chain Reaction Circuit. Analytical Chemistry, 2019, 91, 9308-9314.	3.2	59
82	Visually monitoring the etching process of gold nanoparticles by KI/I2 at single-nanoparticle level using scattered-light dark-field microscopic imaging. Nano Research, 2016, 9, 1125-1134.	5.8	58
83	DNA Nanofirecrackers Assembled through Hybridization Chain Reaction for Ultrasensitive SERS Immunoassay of Prostate Specific Antigen. Analytical Chemistry, 2020, 92, 4046-4052.	3.2	56
84	Aptamer-Mediated Nanoparticle-Based Protein Labeling Platform for Intracellular Imaging and Tracking Endocytosis Dynamics. Analytical Chemistry, 2012, 84, 3099-3110.	3.2	55
85	Optically active red-emitting Cu nanoclusters originating from complexation and redox reaction between copper(<scp>ii</scp>) and<scp>d</scp>/<scp>l</scp>-penicillamine. Nanoscale, 2016, 8, 9764-9770.	2.8	55
86	Localized surface plasmon resonance of gold nanorods and assemblies in the view of biomedical analysis. TrAC - Trends in Analytical Chemistry, 2016, 80, 429-443.	5.8	55
87	Ru(III)-Based Metalâ€“Organic Gels: Intrinsic Horseradish and NADH Peroxidase-Mimicking Nanozyme. ACS Applied Materials & Interfaces, 2019, 11, 29158-29166.	4.0	55
88	Individually color-coded plasmonic nanoparticles for RGB analysis. Chemical Communications, 2011, 47, 8121.	2.2	54
89	Real-Time Light Scattering Tracking of Gold Nanoparticles- bioconjugated Respiratory Syncytial Virus Infecting HEp-2 Cells. Scientific Reports, 2014, 4, 4529.	1.6	54
90	Dendritic CuSe with Hierarchical Side-Branches: Synthesis, Efficient Adsorption, and Enhanced Photocatalytic Activities under Daylight. ACS Sustainable Chemistry and Engineering, 2017, 5, 4154-4160.	3.2	54

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91	Recent Developments of the Resonance Light Scattering Technique: Technical Evolution, New Probes and Applications. Applied Spectroscopy Reviews, 2007, 42, 177-201.	3.4	51
92	Highly selective and sensitive detection of 2,4,6-trinitrophenol by using newly developed blueâ€“green photoluminescent carbon nanodots. Talanta, 2016, 161, 875-880.	2.9	51
93	Stable gold nanoparticles as a novel peroxidase mimic for colorimetric detection of cysteine. Analytical Methods, 2016, 8, 2494-2501.	1.3	51
94	Highly selective detection of phosphate ion based on a single-layered graphene quantum dots-Al3+ strategy. Talanta, 2018, 178, 172-177.	2.9	51
95	Mitochondria-targeting single-layered graphene quantum dots with dual recognition sites for ATP imaging in living cells. Nanoscale, 2018, 10, 17402-17408.	2.8	51
96	Recent insights into functionalized electrospun nanofibrous films for chemo-/bio-sensors. TrAC - Trends in Analytical Chemistry, 2020, 124, 115813.	5.8	51
97	Polarity-Sensitive Polymer Carbon Dots Prepared at Room-Temperature for Monitoring the Cell Polarity Dynamics during Autophagy. ACS Applied Materials & Interfaces, 2020, 12, 4815-4820.	4.0	50
98	Facile synthesis of binary two-dimensional lanthanide metal-organic framework nanosheets for ratiometric fluorescence detection of mercury ions. Journal of Hazardous Materials, 2022, 423, 126978.	6.5	50
99	A portable RGB sensing gadget for sensitive detection of Hg2+ using cysteamine-capped QDs as fluorescence probe. Biosensors and Bioelectronics, 2017, 98, 36-40.	5.3	49
100	Carbon dotsâ€involved chemiluminescence: Recent advances and developments. Luminescence, 2019, 34, 4-22.	1.5	49
101	Carbon dots as nanocatalytic medicine for anti-inflammation therapy. Journal of Colloid and Interface Science, 2022, 611, 545-553.	5.0	49
102	Water-soluble luminescent copper nanoclusters reduced and protected by histidine for sensing of guanosine 5â€²-triphosphate. New Journal of Chemistry, 2014, 38, 3673.	1.4	48
103	Boron and nitrogen co-doped single-layered graphene quantum dots: a high-affinity platform for visualizing the dynamic invasion of HIV DNA into living cells through fluorescence resonance energy transfer. Journal of Materials Chemistry B, 2017, 5, 8719-8724.	2.9	48
104	2D MOF-Based Photoelectrochemical Aptasensor for SARS-CoV-2 Spike Glycoprotein Detection. ACS Applied Materials & Interfaces, 2021, 13, 49754-49761.	4.0	48
105	Luminescent golden silk and fabric through in situ chemically coating pristine-silk with gold nanoclusters. Biomaterials, 2015, 36, 26-32.	5.7	47
106	Surface-engineered quantum dots/electrospun nanofibers as a networked fluorescence aptasensing platform toward biomarkers. Nanoscale, 2017, 9, 17020-17028.	2.8	47
107	Color-Encoded Assays for the Simultaneous Quantification of Dual Cancer Biomarkers. Analytical Chemistry, 2017, 89, 8484-8489.	3.2	47
108	Core-shell quantum dots coated with molecularly imprinted polymer for selective photoluminescence sensing of perfluorooctanoic acid. Talanta, 2019, 194, 1-6.	2.9	47

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109	Use of the peroxidase mimetic activity of erythrocyte-like Cu_{1.8}S nanoparticles in the colorimetric determination of glutathione. Analytical Methods, 2017, 9, 841-846.	1.3	46
110	Ratiometrically Fluorescent Electrospun Nanofibrous Film as a Cu²⁺-Mediated Solid-Phase Immunoassay Platform for Biomarkers. Analytical Chemistry, 2018, 90, 9966-9974.	3.2	46
111	Shape- and size-dependent catalysis activities of iron-terephthalic acid metal-organic frameworks. Science China Chemistry, 2015, 58, 1553-1560.	4.2	45
112	Preparation of nitrogen-doped carbon dots with high quantum yield from Bombyx mori silk for Fe(<scp>iii</scp>) ions detection. RSC Advances, 2017, 7, 50584-50590.	1.7	45
113	Identification of Iodine-Induced Morphological Transformation of Gold Nanorods. Journal of Physical Chemistry C, 2008, 112, 11691-11695.	1.5	44
114	Graphene oxide as a nano-platform for ATP detection based on aptamer chemistry. Analytical Methods, 2012, 4, 1662.	1.3	44
115	â€œClickâ€•on Alkynylated Carbon Quantum Dots: An Efficient Surface Functionalization for Specific Biosensing and Bioimaging. Chemistry - A European Journal, 2017, 23, 2171-2178.	1.7	44
116	Development of nitrogen and sulfur-doped carbon dots for cellular imaging. Journal of Pharmaceutical Analysis, 2019, 9, 127-132.	2.4	44
117	Resonance light scattering imaging detection of proteins with Î±,Î²,Î³,Î´-tetrakis(p-sulfophenyl)porphyrin. Analytical Biochemistry, 2003, 321, 236-243.	1.1	43
118	Label-free and selective sensing of uric acid with gold nanoclusters as optical probe. Talanta, 2016, 152, 314-320.	2.9	43
119	A sensitive surface-enhanced Raman scattering enzyme-catalyzed immunoassay of respiratory syncytial virus. Talanta, 2016, 148, 308-312.	2.9	43
120	Dynamically Long-Term Imaging of Cellular RNA by Fluorescent Carbon Dots with Surface Isoquinoline Moieties and Amines. Analytical Chemistry, 2018, 90, 11358-11365.	3.2	43
121	Pt-Cr2O3-WO3 composite nanofibers as gas sensors for ultra-high sensitive and selective xylene detection. Sensors and Actuators B: Chemical, 2019, 300, 127008.	4.0	43
122	The aggregation induced emission quenching of graphene quantum dots for visualizing the dynamic invasions of cobalt(<scp>ii</scp>) into living cells. Journal of Materials Chemistry B, 2017, 5, 6394-6399.	2.9	42
123	Enzyme Activity Triggered Blocking of Plasmon Resonance Energy Transfer for Highly Selective Detection of Acid Phosphatase. Analytical Chemistry, 2020, 92, 2130-2135.	3.2	42
124	Porous hollow CuS nanospheres with prominent peroxidase-like activity prepared in large scale by a one-pot controllable hydrothermal step. RSC Advances, 2015, 5, 17458-17465.	1.7	41
125	Real-time dark-field light scattering imaging to monitor the coupling reaction with gold nanorods as an optical probe. Nanoscale, 2017, 9, 3568-3575.	2.8	41
126	Metalâ€“organic framework MIL-101 enhanced fluorescence anisotropy for sensitive detection of DNA. RSC Advances, 2014, 4, 9379-9382.	1.7	40

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127	General Sensitive Detecting Strategy of Ions through Plasmonic Resonance Energy Transfer from Gold Nanoparticles to Rhodamine Spirolactam. Analytical Chemistry, 2017, 89, 1808-1814.	3.2	40
128	Branched polyethylenimine-functionalized carbon dots as sensitive and selective fluorescent probes for N-acetylcysteine via an offâ€“on mechanism. Analyst, The, 2017, 142, 4221-4227.	1.7	40
129	One-pot preparation of dextran-capped gold nanoparticles at room temperature and colorimetric detection of dihydralazine sulfate in uric samples. Analytical Methods, 2010, 2, 1982.	1.3	39
130	Fluorescent detection of silver(I) and cysteine using SYBR Green I and a silver(I)-specific oligonucleotide. Mikrochimica Acta, 2012, 177, 137-144.	2.5	39
131	Highly selective detection of bacterial alarmone ppGpp with an offâ€“on fluorescent probe of copper-mediated silver nanoclusters. Biosensors and Bioelectronics, 2013, 49, 433-437.	5.3	39
132	Gold nanoparticle-based enhanced ELISA for respiratory syncytial virus. New Journal of Chemistry, 2014, 38, 2935-2940.	1.4	39
133	HSI colour-coded analysis of scattered light of single plasmonic nanoparticles. Nanoscale, 2016, 8, 11467-11471.	2.8	39
134	Protective effect of Dendrobium officinale polysaccharides on H2O2-induced injury in H9c2 cardiomyocytes. Biomedicine and Pharmacotherapy, 2017, 94, 72-78.	2.5	39
135	Zincâ€“Metal Organic Frameworks: A Coreactant-free Electrochemiluminescence Luminophore for Ratiometric Detection of miRNA-133a. Analytical Chemistry, 2021, 93, 14178-14186.	3.2	39
136	Fluorescent carbon dots: facile synthesis at room temperature and its application for Fe2+ sensing. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	38
137	Recent advances of carbon dots in imaging-guided theranostics. TrAC - Trends in Analytical Chemistry, 2021, 134, 116116.	5.8	38
138	Controllable preparation of metal nanoparticle/carbon nanotube hybrids as efficient dark field light scattering agents for cell imaging. Chemical Communications, 2010, 46, 4303.	2.2	37
139	Graphene oxide amplified fluorescence anisotropy for label-free detection of potassium ion. Analyst, The, 2015, 140, 353-357.	1.7	37
140	Cytosine triphosphate-capped silver nanoparticles as a platform for visual and colorimetric determination of mercury(II) and chromium(III). Mikrochimica Acta, 2017, 184, 3171-3178.	2.5	37
141	Plasmonics-attended NSET and PRET for analytical applications. TrAC - Trends in Analytical Chemistry, 2020, 124, 115805.	5.8	37
142	A novel graphene oxide amplified fluorescence anisotropy assay with improved accuracy and sensitivity. Chemical Communications, 2015, 51, 16080-16083.	2.2	36
143	Real-time monitoring of oxidative etching on single Ag nanocubes via light-scattering dark-field microscopy imaging. Nanoscale, 2015, 7, 15209-15213.	2.8	36
144	A graphene oxide-based strand displacement amplification platform for ricin detection using aptamer as recognition element. Biosensors and Bioelectronics, 2017, 91, 149-154.	5.3	36

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145	Carbon dots-based fluorescence resonance energy transfer for the prostate specific antigen (PSA) with high sensitivity. Talanta, 2020, 219, 121276.	2.9	36
146	Plasmon-induced light concentration enhanced imaging visibility as observed by a composite-field microscopy imaging system. Chemical Science, 2016, 7, 5477-5483.	3.7	35
147	Exonuclease III-assisted graphene oxide amplified fluorescence anisotropy strategy for ricin detection. Biosensors and Bioelectronics, 2016, 85, 822-827.	5.3	35
148	New Offâ€“On Sensor for Captopril Sensing Based on Photoluminescent MoO_x Quantum Dots. ACS Omega, 2017, 2, 1666-1671.	1.6	35
149	Carbon Quantum Dotsâ€“Europium(III) Energy Transfer Architecture Embedded in Electrospun Nanofibrous Membranes for Fingerprint Security and Document Counterspy. Analytical Chemistry, 2019, 91, 11185-11191.	3.2	35
150	Hydrophilic Cu2â^'xSe/reduced graphene oxide nanocomposites with tunable plasmonic properties and their applications in cellular dark-field microscopic imaging. Journal of Materials Chemistry B, 2014, 2, 7027-7033.	2.9	34
151	Nanosilver-based surface-enhanced Raman spectroscopic determination of DNA methyltransferase activity through real-time hybridization chain reaction. Biosensors and Bioelectronics, 2015, 73, 228-233.	5.3	34
152	Cobalt oxyhydroxide nanoflakes with oxidase-mimicking activity induced chemiluminescence of luminol for glutathione detection. Talanta, 2020, 215, 120928.	2.9	34
153	Hierarchical Hybridization Chain Reaction for Amplified Signal Output and Cascade DNA Logic Circuits. Analytical Chemistry, 2021, 93, 3411-3417.	3.2	34
154	DNA-AuNP networks on cell membranes as a protective barrier to inhibit viral attachment, entry and budding. Biomaterials, 2016, 77, 216-226.	5.7	33
155	A cancer-targeted drug delivery system developed with gold nanoparticle mediated DNAâ€“doxorubicin conjugates. RSC Advances, 2014, 4, 34830-34835.	1.7	32
156	Luminol and gold nanoparticle-co-precipitated reduced graphene oxide hybrids with long-persistent chemiluminescence for cholesterol detection. Journal of Materials Chemistry B, 2017, 5, 7335-7341.	2.9	32
157	Silver-based metal-organic gels as novel coreactant for enhancing electrochemiluminescence and its biosensing potential. Biosensors and Bioelectronics, 2019, 134, 29-35.	5.3	32
158	Lattice expansion and oxygen vacancy of Î±-Fe2O3 during gas sensing. Talanta, 2021, 221, 121616.	2.9	32
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