Cheng Zhi Huang

List of Publications by Year in Descending Order

368 papers	12,912 citations	57 h-index	97 g-index
382 ext. papers	15,063 ext. citations	6.9 avg, IF	7.12 L-index

#	Paper	IF	Citations
368	Preparation and structure tuning of graphene quantum dots for optical applications in chemosensing, biosensing, and bioimaging **2022**, 41-77		
367	Synthesis, functionalization, and optical sensing applications of graphene oxide **2022**, 79-118		
366	Preparation of carbon dots and their sensing applications **2022**, 9-40		
365	Telomerase Activity Assay via 3,3?,5,5?-Tetramethylbenzidine Dilation Etching of Gold Nanorods. *ACS Applied Nano Materials*, **2022**, 5, 1484-1490	5.6	2
364	Electrochemiluminescence Resonance Energy Transfer System Based on Silver Metal-Organic Frameworks as a Double-Amplified Emitter for Sensitive Detection of miRNA-107.. *Analytical Chemistry*, **2022**,	7.8	4
363	"Hepatitis virus indicator"----the simultaneous detection of hepatitis B and hepatitis C viruses based on the automatic particle enumeration.. *Biosensors and Bioelectronics*, **2022**, 202, 114001	11.8	2
362	One-donor-two-acceptors coupled energy transfer nanoprobe for recording of viral gene replication in living cells. *Chemical Engineering Journal*, **2022**, 434, 134658	14.7	1
361	Dual-ligand two-dimensional Europium-organic gels nanosheets for ratiometric fluorescence detecting anthrax spore biomarker. *Chemical Engineering Journal*, **2022**, 435, 134912	14.7	2
360	Catalytic hairpin assembled polymeric tetrahedral DNA frameworks for MicroRNA imaging in live cells. *Biosensors and Bioelectronics*, **2022**, 197, 113783	11.8	1
359	Lighting up of carbon dots for copper(II) detection using an aggregation-induced enhanced strategy.. *Analyst, The*, **2022**,	5	2
358	One-component nano-metal-organic frameworks with superior multienzyme-mimic activities for 1,4-dihydropyridine metabolism. *Journal of Colloid and Interface Science*, **2022**, 605, 214-222	9.3	2
357	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	12.8	10
356	Cationic conjugated polymer-based FRET aptasensor for label-free and ultrasensitive ractopamine detection.. *RSC Advances*, **2022**, 12, 10911-10914	3.7	
355	DNA Logic Nanodevices for the Sequential Imaging of Cancer Markers through Localized Catalytic Hairpin Assembly Reaction.. *Analytical Chemistry*, **2022**,	7.8	1
354	A catalyst-free co-reaction system of long-lasting and intensive chemiluminescence applied to the detection of alkaline□phosphatase.. *Mikrochimica Acta*, **2022**, 189, 181	5.8	
353	Dual-aptamer-based enzyme linked plasmonic assay for pathogenic bacteria detection.. *Colloids and Surfaces B: Biointerfaces*, **2022**, 214, 112471	6	0
352	The restructure of Au@Ag nanorods for cell imaging with dark-field microscope.. *Talanta*, **2022**, 244, 123403	6.2	1

351	A high-integrated DNA biocomputing platform for MicroRNA sensing in living cells.. *Biosensors and Bioelectronics*, **2022**, 207, 114183	11.8	0
350	Energy Flow during the Plasmon Resonance-Driven Photocatalytic Reactions on Single Nanoparticles. *ACS Catalysis*, **2022**, 12, 847-853	13.1	1
349	Rational fabrication of a DNA walking nanomachine on graphene oxide surface for fluorescent bioassay.. *Biosensors and Bioelectronics*, **2022**, 211, 114349	11.8	1
348	Gold triangular nanoplates with edge effect for reaction monitoring under dark-field microscopy. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2022**, 647, 129133	5.1	0
347	Facile synthesis of porphyrin-MOFs with high photo-Fenton activity to efficiently degrade ciprofloxacin.. *Journal of Colloid and Interface Science*, **2022**, 622, 690-699	9.3	0
346	Fluorescence turn-on Cu2-xSe@HA-rhodamine 6G FRET nanoprobe for hyaluronidase detection and imaging. *Journal of Photochemistry and Photobiology B: Biology*, **2022**, 112496	6.7	
345	Controlled synthesis of zinc-metal organic framework microflower with high efficiency electrochemiluminescence for miR-21 detection. *Biosensors and Bioelectronics*, **2022**, 213, 114443	11.8	2
344	DNA Logic Nanodevices for Real-Time Monitoring of ATP in Lysosomes. *Analytical Chemistry*, **2021**, 93, 15331-15339	7.8	1
343	Self-Targeting Carbon Quantum Dots for Peroxynitrite Detection and Imaging in Live Cells. *Analytical Chemistry*, **2021**,	7.8	7
342	Plasmonic biosensor for the highly sensitive detection of microRNA-21 via the chemical etching of gold nanorods under a dark-field microscope.. *Biosensors and Bioelectronics*, **2021**, 201, 113942	11.8	3
341	Carbon dots as nanocatalytic medicine for anti-inflammation therapy.. *Journal of Colloid and Interface Science*, **2021**, 611, 545-553	9.3	6
340	Soft nanoball-encapsulated carbon dots for reactive oxygen species scavenging and the highly sensitive chemiluminescent assay of nucleic acid biomarkers. *Analyst, The*, **2021**, 146, 7187-7193	5	1
339	2D MOF-Based Photoelectrochemical Aptasensor for SARS-CoV-2 Spike Glycoprotein Detection. *ACS Applied Materials & Interfaces*, **2021**, 13, 49754-49761	9.5	13
338	Highly Sensitive Detection of miR-21 through Target-Activated Catalytic Hairpin Assembly of X-Shaped DNA Nanostructures. *Analytical Chemistry*, **2021**, 93, 14545-14551	7.8	8
337	Zinc-Metal Organic Frameworks: A Coreactant-free Electrochemiluminescence Luminophore for Ratiometric Detection of miRNA-133a. *Analytical Chemistry*, **2021**, 93, 14178-14186	7.8	4
336	DNA Photonic Nanowires for Homogeneous Entropy-Driven Biomolecular Assay of Thrombin. *ACS Applied Nano Materials*, **2021**, 4, 2849-2854	5.6	1
335	Current diagnostic and therapeutic strategies for COVID-19. *Journal of Pharmaceutical Analysis*, **2021**, 11, 129-137	14	5
334	A crosslinked submicro-hydrogel formed by DNA circuit-driven protein aggregation amplified fluorescence anisotropy for biomolecules detection. *Analytica Chimica Acta*, **2021**, 1154, 338319	6.6	1

333	Orientation-independent reaction activity monitoring with single particle and data analytics. *Journal of Colloid and Interface Science*, **2021**, 590, 458-466	9.3	3
332	Cu vacancies enhanced photoelectrochemical activity of metal-organic gel-derived CuO for the detection of l-cysteine. *Talanta*, **2021**, 228, 122261	6.2	10
331	Europium coordination polymer particles based electrospun nanofibrous film for point-of-care testing of copper (II) ions. *Talanta*, **2021**, 228, 122270	6.2	2
330	Single-Crystalline TiO2(B) Nanobelts with Unusual Large Exposed {100} Facets and Enhanced Li-Storage Capacity. *Advanced Functional Materials*, **2021**, 31, 2002187	15.6	12
329	Lattice expansion and oxygen vacancy of FeO during gas sensing. *Talanta*, **2021**, 221, 121616	6.2	12
328	In situ investigating the size-dependent scattering signatures and sensing sensitivity of single silver nanocube through a multi-model approach. *Journal of Colloid and Interface Science*, **2021**, 584, 253-262	9.3	8
327	Recent advances of carbon dots in imaging-guided theranostics. *TrAC - Trends in Analytical Chemistry*, **2021**, 134, 116116	14.6	19
326	Long-distance transfer of plasmonic hot electrons across the Au Pt porous interface for the hydrogen evolution reaction. *Journal of Materials Chemistry C*, **2021**, 9, 3108-3114	7.1	4
325	Continuous singlet oxygen generation for persistent chemiluminescence in Cu-MOFs-based catalytic system. *Talanta*, **2021**, 221, 121498	6.2	8
324	Nanosurface energy transfer indicating Exo III-propelled stochastic 3D DNA walkers for HIV DNA detection. *Analyst, The*, **2021**, 146, 1675-1681	5	2
323	Automated Plasmonic Resonance Scattering Imaging Analysis via Deep Learning. *Analytical Chemistry*, **2021**, 93, 2619-2626	7.8	8
322	A 2D MOF-based artificial light-harvesting system with chloroplast bionic structure for photochemical catalysis. *Journal of Materials Chemistry A*, **2021**, 9, 9301-9306	13	8
321	Direct visualization of photo-induced disulfide through oxidative coupling of -aminothiophenol. *Chemical Communications*, **2021**, 57, 4190-4193	5.8	2
320	Homo-FRET enhanced ratiometric fluorescence strategy for exonuclease III activity detection. *Analytical Methods*, **2021**, 13, 1489-1494	3.2	2
319	Dark-Field Microscopy: Recent Advances in Accurate Analysis and Emerging Applications. *Analytical Chemistry*, **2021**, 93, 4707-4726	7.8	23
318	Individual Plasmonic Nanoprobes for Biosensing and Bioimaging: Recent Advances and Perspectives. *Small*, **2021**, 17, e2004287	11	3
317	Nucleolin-Targeted DNA Nanotube for Precise Cancer Therapy through F ster Resonance Energy Transfer-Indicated Telomerase Responsiveness. *Analytical Chemistry*, **2021**, 93, 3526-3534	7.8	6
316	Hierarchical Hybridization Chain Reaction for Amplified Signal Output and Cascade DNA Logic Circuits. *Analytical Chemistry*, **2021**, 93, 3411-3417	7.8	12

315	Size-Dependent Plasmonic Resonance Scattering Characteristics of Gold Nanorods for Highly Sensitive Detection of microRNA-27a.. *ACS Applied Bio Materials*, **2021**, 4, 3469-3475	4.1	1
314	Aggregation-Enhanced Energy Transfer for Mitochondria-Targeted ATP Ratiometric Imaging in Living Cells. *Analytical Chemistry*, **2021**, 93, 11878-11886	7.8	5
313	Microscopic electron counting during plasmon-driven photocatalytic proton coupled electron transfer on a single silver nanoparticle. *Applied Catalysis B: Environmental*, **2021**, 291, 120090	21.8	5
312	Weak Reaction Scatterometry of Plasmonic Resonance Light Scattering with Machine Learning. *Analytical Chemistry*, **2021**, 93, 12131-12138	7.8	2
311	Ultrasensitive ratiometric electrochemiluminescence for detecting atxA mRNA using luminol-encapsulated liposome as effectively amplified signal labels. *Biosensors and Bioelectronics*, **2021**, 186, 113263	11.8	10
310	Transformable Helical Self-Assembly for Cancerous Golgi Apparatus Disruption. *Nano Letters*, **2021**, 21, 8455-8465	11.5	3
309	An ultrathin 2D Yb(III) metal-organic frameworks with strong electrochemiluminescence as a "on-off-on" platform for detection of picric acid and berberine chloride form. *Talanta*, **2021**, 234, 122625	6.2	3
308	Preparation of a molecularly imprinted test strip for point-of-care detection of thiodiglycol, a sulfur mustard poisoning metabolic marker. *Talanta*, **2021**, 234, 122701	6.2	4
307	Chirality transfer of cysteine to the plasmonic resonance region through silver coating of gold nanobipyramids. *Chemical Communications*, **2021**, 57, 3211-3214	5.8	4
306	Carbon dot-based composites for catalytic applications. *Green Chemistry*, **2020**, 22, 4034-4054	10	40
305	Resonance light scattering technique for sensitive detection of heparin using plasmonic CuSe nanoparticles. *Talanta*, **2020**, 216, 120967	6.2	5
304	Carbon dots-based fluorescence resonance energy transfer for the prostate specific antigen (PSA) with high sensitivity. *Talanta*, **2020**, 219, 121276	6.2	16
303	ZnO micron rods as single dielectric resonator for optical sensing. *Analytica Chimica Acta*, **2020**, 1109, 107-113	6.6	1
302	The synergistic effect enhanced chemical etching of gold nanorods for the rapid and sensitive detection of biomarks. *Talanta*, **2020**, 219, 121203	6.2	10
301	Metal-Organic Gel-Derived Co/CoO/Co3O4 Composite for the Electrochemical Detection of Diethylstilbestrol. *Applied Organometallic Chemistry*, **2020**, 34, e5536	3.1	2
300	DNA Nanofirecrackers Assembled through Hybridization Chain Reaction for Ultrasensitive SERS Immunoassay of Prostate Specific Antigen. *Analytical Chemistry*, **2020**, 92, 4046-4052	7.8	36
299	Nanofabrication of hollowed-out Au@AgPt core-frames via selective carving of silver and deposition of platinum. *Chemical Communications*, **2020**, 56, 2945-2948	5.8	10
298	Recent insights into functionalized electrospun nanofibrous films for chemo-/bio-sensors. *TrAC - Trends in Analytical Chemistry*, **2020**, 124, 115813	14.6	34

297	Cobalt oxyhydroxide nanoflakes with oxidase-mimicking activity induced chemiluminescence of luminol for glutathione detection. *Talanta*, **2020**, 215, 120928	6.2	15
296	FRET-enhanced nanoflares for sensitive and rapid detection of ampicillin. *Analytical Methods*, **2020**, 12, 970-976	3.2	4
295	Enzyme-triggered fluorescence turn-off/turn-on of carbon dots for monitoring β-glucosidase and its inhibitor in living cells. *Luminescence*, **2020**, 35, 222-230	2.5	7
294	DNA nanosheet as an excellent fluorescence anisotropy amplification platform for accurate and sensitive biosensing. *Talanta*, **2020**, 211, 120730	6.2	2
293	Plasmonics-attended NSET and PRET for analytical applications. *TrAC - Trends in Analytical Chemistry*, **2020**, 124, 115805	14.6	22
292	Enzyme Activity Triggered Blocking of Plasmon Resonance Energy Transfer for Highly Selective Detection of Acid Phosphatase. *Analytical Chemistry*, **2020**, 92, 2130-2135	7.8	22
291	Multifunctional Single-Layered Graphene Quantum Dots Used for Diagnosis of Mitochondrial Malfunction-Related Diseases. *ACS Biomaterials Science and Engineering*, **2020**, 6, 1727-1734	5.5	3
290	Controllable Synthesis of Porphyrin-Based 2D Lanthanide Metal–Organic Frameworks with Thickness- and Metal-Node-Dependent Photocatalytic Performance. *Angewandte Chemie*, **2020**, 132, 3326-3332	3.6	13
289	Controllable Synthesis of Porphyrin-Based 2D Lanthanide Metal-Organic Frameworks with Thickness- and Metal-Node-Dependent Photocatalytic Performance. *Angewandte Chemie - International Edition*, **2020**, 59, 3300-3306	16.4	82
288	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	9.5	23
287	Distance-Dependence Study of Plasmon Resonance Energy Transfer with DNA Spacers. *Analytical Chemistry*, **2020**, 92, 14278-14283	7.8	7
286	Catalytic hairpin assembly mediated liposome-encoded magnetic beads for signal amplification of peroxide test strip based point-of-care testing of ricin. *Chemical Communications*, **2020**, 56, 14091-14094	5.8	6
285	Indole Carbonized Polymer Dots Boost Full-Color Emission by Regulating Surface State. *IScience*, **2020**, 23, 101546	6.1	10
284	Dual Energy Transfer-Based DNA/Graphene Oxide Nanocomplex Probe for Highly Robust and Accurate Monitoring of Apoptosis-Related microRNAs. *Analytical Chemistry*, **2020**, 92, 11565-11572	7.8	11
283	Discrimination of copper and silver ions based on the label-free quantum dots. *Talanta*, **2020**, 220, 121430	6.2	8
282	Efficient peroxydisulfate electrochemiluminescence system based the novel silver metal-organic gel as an effective enhancer. *Electrochimica Acta*, **2020**, 357, 136842	6.7	9
281	Self-Healing 3D Liquid Freestanding Plasmonic Nanoparticle Membrane for Reproducible Surface-Enhanced Raman Spectroscopy Sensing. *ACS Applied Nano Materials*, **2020**, 3, 10014-10021	5.6	6
280	High-Resolution Vertical Polarization Excited Dark-Field Microscopic Imaging of Anisotropic Gold Nanorods for the Sensitive Detection and Spatial Imaging of Intracellular microRNA-21. *Analytical Chemistry*, **2020**, 92, 13118-13125	7.8	17

279	Dimension conversion: from a 1D metal–organic gel into a 3D metal–organic porous network with high-efficiency multiple enzyme-like activities for cascade reactions. *Nanoscale Horizons*, **2020**, 5, 119-123	10.8	11
278	Pt-Cr2O3-WO3 composite nanofibers as gas sensors for ultra-high sensitive and selective xylene detection. *Sensors and Actuators B: Chemical*, **2019**, 300, 127008	8.5	27
277	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	11.8	44
276	A single gold nanoprobe for colorimetric detection of silver(i) ions with dark-field microscopy. *Analyst, The*, **2019**, 144, 2011-2016	5	12
275	Localized surface plasmon resonance scattering imaging and spectroscopy for real-time reaction monitoring. *Applied Spectroscopy Reviews*, **2019**, 54, 237-249	4.5	19
274	Green One-Pot Synthesis of Silver Nanoparticles/Metal–Organic Gels Hybrid and Its Promising SERS Application. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 5292-5299	8.3	14
273	Inconspicuous Reactions Identified by Improved Precision of Plasmonic Scattering Dark-Field Microscopy Imaging Using Silver Shell-Isolated Nanoparticles as Internal References. *Analytical Chemistry*, **2019**, 91, 3002-3008	7.8	10
272	Visual detection of cancer cells by using in situ grown functional CuSe/reduced graphene oxide hybrids acting as an efficient nanozyme. *Analyst, The*, **2019**, 144, 716-721	5	6
271	Aluminum-doped NiO nanofibers as chemical sensors for selective and sensitive methanol detection. *Analytical Methods*, **2019**, 11, 575-581	3.2	23
270	Carbon dots: synthesis, formation mechanism, fluorescence origin and sensing applications. *Green Chemistry*, **2019**, 21, 449-471	10	516
269	Ultrasensitive Electrochemiluminescence Detection of MicroRNA via One-Step Introduction of a Target-Triggered Branched Hybridization Chain Reaction Circuit. *Analytical Chemistry*, **2019**, 91, 9308-9314	7.8	37
268	Fluorescent carbon dots functionalization. *Advances in Colloid and Interface Science*, **2019**, 270, 165-190	14.3	92
267	Label-free gold nanorods sensor array for colorimetric detection and discrimination of biothiols in human urine samples. *Talanta*, **2019**, 203, 220-226	6.2	19
266	One-step synthesis of Cu(II) metal-organic gel as recyclable material for rapid, efficient and size selective cationic dyes adsorption. *Journal of Environmental Sciences*, **2019**, 86, 203-212	6.4	14
265	Precise ricin A-chain delivery by Golgi-targeting carbon dots. *Chemical Communications*, **2019**, 55, 6437-6440	5.8	16
264	Metal-Mediated Gold Nanospheres Assembled for Dark-Field Microscopy Imaging Scatterometry. *Talanta*, **2019**, 201, 280-285	6.2	6
263	Dual Energy Transfer-Based Fluorescent Nanoprobe for Imaging miR-21 in Nonalcoholic Fatty Liver Cells with Low Background. *Analytical Chemistry*, **2019**, 91, 6761-6768	7.8	17
262	2,4,6-Trinitrophenol detection by a new portable sensing gadget using carbon dots as a fluorescent probe. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 2291-2300	4.4	19

261	Metal-Organic Gel-Derived Multimetal Oxides as Effective Electrocatalysts for the Oxygen Evolution Reaction. *ChemSusChem*, **2019**, 12, 2480-2486	8.3	12
260	Silver-based metal-organic gels as novel coreactant for enhancing electrochemiluminescence and its biosensing potential. *Biosensors and Bioelectronics*, **2019**, 134, 29-35	11.8	19
259	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	8.1	49
258	Self-Assembly of Microparticles by Supramolecular Homopolymerization of One Component DNA Molecule. *Small*, **2019**, 15, e1805552	11	9
257	A copper(II)/cobalt(II) organic gel with enhanced peroxidase-like activity for fluorometric determination of hydrogen peroxide and glucose. *Mikrochimica Acta*, **2019**, 186, 168	5.8	21
256	Carbon Quantum Dots-Europium(III) Energy Transfer Architecture Embedded in Electrospun Nanofibrous Membranes for Fingerprint Security and Document Counterspy. *Analytical Chemistry*, **2019**, 91, 11185-11191	7.8	28
255	A label-free turn ON□OFF chemiluminescence strategy for lysozyme detection by target-triggered Cu2▯Se aggregation. *Analytical Methods*, **2019**, 11, 4376-4381	3.2	3
254	Ru(III)-Based Metal-Organic Gels: Intrinsic Horseradish and NADH Peroxidase-Mimicking Nanozyme. *ACS Applied Materials & Interfaces*, **2019**, 11, 29158-29166	9.5	31
253	F□ster Resonance Energy Transfer-Based Soft Nanoballs for Specific and Amplified Detection of MicroRNAs. *Analytical Chemistry*, **2019**, 91, 11023-11029	7.8	15
252	Rational Design of pH-Responsive DNA Motifs with General Sequence Compatibility. *Angewandte Chemie*, **2019**, 131, 16557-16562	3.6	4
251	Rational Design of pH-Responsive DNA Motifs with General Sequence Compatibility. *Angewandte Chemie - International Edition*, **2019**, 58, 16405-16410	16.4	19
250	Photothermal Soft Nanoballs Developed by Loading Plasmonic CuSe Nanocrystals into Liposomes for Photothermal Immunoassay of Aflatoxin B. *Analytical Chemistry*, **2019**, 91, 4444-4450	7.8	55
249	Carbon dots synthesized at room temperature for detection of tetracycline hydrochloride. *Analytica Chimica Acta*, **2019**, 1063, 144-151	6.6	86
248	Nitrogen and phosphorus doped polymer carbon dots as a sensitive cellular mapping probe of nitrite. *Journal of Materials Chemistry B*, **2019**, 7, 2074-2080	7.3	20
247	Gold Triangular Nanoplates Based Single-Particle Dark-Field Microscopy Assay of Pyrophosphate. *Analytical Chemistry*, **2019**, 91, 15798-15803	7.8	18
246	Anthrax biomarker: An ultrasensitive fluorescent ratiometry of dipicolinic acid by using terbium(III)-modified carbon dots. *Talanta*, **2019**, 191, 443-448	6.2	42
245	Development of a portable device for Ag sensing using CdTe QDs as fluorescence probe via an electron transfer process. *Talanta*, **2019**, 191, 357-363	6.2	21
244	Dy(III)-induced aggregation emission quenching effect of single-layered graphene quantum dots for selective detection of phosphate in the artificial wetlands. *Talanta*, **2019**, 196, 100-108	6.2	14

243	Carbon dots-involved chemiluminescence: Recent advances and developments. *Luminescence*, **2019**, 34, 4-22	2.5	27
242	Development of nitrogen and sulfur-doped carbon dots for cellular imaging. *Journal of Pharmaceutical Analysis*, **2019**, 9, 127-132	14	23
241	Core-shell quantum dots coated with molecularly imprinted polymer for selective photoluminescence sensing of perfluorooctanoic acid. *Talanta*, **2019**, 194, 1-6	6.2	29
240	Graphitic CN nanosheet and hemin/G-quadruplex DNAzyme-based label-free chemiluminescence aptasensing for biomarkers. *Talanta*, **2019**, 192, 400-406	6.2	17
239	Terbium(III) Modified Fluorescent Carbon Dots for Highly Selective and Sensitive Ratiometry of Stringent. *Analytical Chemistry*, **2018**, 90, 4003-4009	7.8	80
238	Encapsulating a ruthenium(II) complex into metal organic frameworks to engender high sensitivity for dopamine electrochemiluminescence detection. *Analytical Methods*, **2018**, 10, 1560-1564	3.2	15
237	Photoluminescence of carbon quantum dots: coarsely adjusted by quantum confinement effects and finely by surface trap states. *Science China Chemistry*, **2018**, 61, 490-496	7.9	49
236	Time-resolved visual detection of heparin by accelerated etching of gold nanorods. *Analyst, The*, **2018**, 143, 824-828	5	16
235	Rapid detection of a dengue virus RNA sequence with single molecule sensitivity using tandem toehold-mediated displacement reactions. *Chemical Communications*, **2018**, 54, 968-971	5.8	12
234	Highly sensitive detection of hepatitis C virus DNA by using a one-donor-four-acceptors FRET probe. *Talanta*, **2018**, 185, 118-122	6.2	11
233	FeO and metal-organic framework MIL-101(Fe) composites catalyze luminol chemiluminescence for sensitively sensing hydrogen peroxide and glucose. *Talanta*, **2018**, 179, 43-50	6.2	88
232	Tb-containing metal-organic gel with high stability for visual sensing of nitrite. *Materials Letters*, **2018**, 211, 157-160	3.3	15
231	Highly selective detection of phosphate ion based on a single-layered graphene quantum dots-Al strategy. *Talanta*, **2018**, 178, 172-177	6.2	38
230	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	11.8	73
229	In Situ Synthesis of Gold Nanoparticles/Metal-Organic Gels Hybrids with Excellent Peroxidase-Like Activity for Sensitive Chemiluminescence Detection of Organophosphorus Pesticides. *ACS Applied Materials & Interfaces*, **2018**, 10, 28868-28876	9.5	79
228	Ratiometrically Fluorescent Electrospun Nanofibrous Film as a Cu-Mediated Solid-Phase Immunoassay Platform for Biomarkers. *Analytical Chemistry*, **2018**, 90, 9966-9974	7.8	31
227	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	7.7	69
226	Glutathione-driven Cu(i)-O chemistry: a new light-up fluorescent assay for intracellular glutathione. *Analyst, The*, **2018**, 143, 2486-2490	5	2

225	Redox-Active AIEgen-Derived Plasmonic and Fluorescent Core@Shell Nanoparticles for Multimodality Bioimaging. *Journal of the American Chemical Society*, **2018**, 140, 6904-6911	16.4	86
224	Rapid detection of heparin by gold nanorods and near-infrared fluorophore ensemble based platform via nanometal surface energy transfer. *Sensors and Actuators B: Chemical*, **2018**, 274, 318-323	8.5	7
223	Multifunctional fluorescent carbon dots inhibit the invasiveness of lung cancer cells. *New Journal of Chemistry*, **2018**, 42, 15311-15314	3.6	6
222	Plasmonic CuS Se Nanoparticles Catalyzed Click Chemistry Reaction for SERS Immunoassay of Cancer Biomarker. *Analytical Chemistry*, **2018**, 90, 11728-11733	7.8	19
221	Mitochondria-targeting single-layered graphene quantum dots with dual recognition sites for ATP imaging in living cells. *Nanoscale*, **2018**, 10, 17402-17408	7.7	36
220	A galvanic exchange process visualized on single silver nanoparticles via dark-field microscopy imaging. *Nanoscale*, **2018**, 10, 12805-12812	7.7	18
219	Silver nanoparticles deposited on graphene oxide for ultrasensitive surface-enhanced Raman scattering immunoassay of cancer biomarker. *Nanoscale*, **2018**, 10, 11942-11947	7.7	40
218	Arsenic Trioxide and Artemisinin Act Synergistically to Kill Tumor Cells. *Anti-Cancer Agents in Medicinal Chemistry*, **2018**, 18, 2178-2186	2.2	2
217	Metal-organic gel enhanced fluorescence anisotropy for sensitive detection of prostate specific antigen. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2018**, 192, 328-332	4.4	16
216	A sensitive and low background fluorescent sensing strategy based on g-CN-MnO sandwich nanocomposite and liposome amplification for ricin detection. *Analyst, The*, **2018**, 143, 5764-5770	5	14
215	The localized surface plasmon resonance induced edge effect of gold regular hexagonal nanoplates for reaction progress monitoring. *Chemical Communications*, **2018**, 54, 13359-13362	5.8	12
214	Terbium(III) Organic Gels: Novel Antenna Effect-Induced Enhanced Electrochemiluminescence Emitters. *Analytical Chemistry*, **2018**, 90, 12191-12197	7.8	40
213	Dynamically Long-Term Imaging of Cellular RNA by Fluorescent Carbon Dots with Surface Isoquinoline Moieties and Amines. *Analytical Chemistry*, **2018**, 90, 11358-11365	7.8	35
212	Highly selective detection of spermine in human urine via a nanometal surface energy transfer platform. *Talanta*, **2018**, 188, 218-224	6.2	14
211	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	6.6	42
210	MIL-101(Cr) as matrix for sensitive detection of quercetin by matrix-assisted laser desorption/ionization mass spectrometry. *Talanta*, **2017**, 164, 355-361	6.2	18
209	Sensitive detection of respiratory syncytial virus based on a dual signal amplified plasmonic enzyme-linked immunosorbent assay. *Analytica Chimica Acta*, **2017**, 962, 73-79	6.6	12
208	Use of the peroxidase mimetic activity of erythrocyte-like Cu1.8S nanoparticles in the colorimetric determination of glutathione. *Analytical Methods*, **2017**, 9, 841-846	3.2	37

207	General Sensitive Detecting Strategy of Ions through Plasmonic Resonance Energy Transfer from Gold Nanoparticles to Rhodamine Spirolactam. *Analytical Chemistry*, **2017**, 89, 1808-1814	7.8	30
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