

Yi Lv

List of Publications by Year in descending order

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235
papers

9,115
citations

50276

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docs citations

238
times ranked

8976
citing authors

#	ARTICLE	IF	CITATIONS
1	BSA-templated MnO ₂ nanoparticles as both peroxidase and oxidase mimics. <i>Analyst, The</i> , 2012, 137, 4552.	3.5	358
2	Carbon Nitride Quantum Dots: A Novel Chemiluminescence System for Selective Detection of Free Chlorine in Water. <i>Analytical Chemistry</i> , 2014, 86, 4528-4535.	6.5	307
3	Graphene sheets decorated with SnO ₂ nanoparticles: in situ synthesis and highly efficient materials for cataluminescence gas sensors. <i>Journal of Materials Chemistry</i> , 2011, 21, 5972.	6.7	290
4	Microwave-assisted synthesis of carbon nanodots through an eggshell membrane and their fluorescent application. <i>Analyst, The</i> , 2012, 137, 5392.	3.5	257
5	SiO ₂ /graphene composite for highly selective adsorption of Pb(II) ion. <i>Journal of Colloid and Interface Science</i> , 2012, 369, 381-387.	9.4	231
6	Turn-on Persistent Luminescence Probe Based on Graphitic Carbon Nitride for Imaging Detection of Biothiols in Biological Fluids. <i>Analytical Chemistry</i> , 2013, 85, 11876-11884.	6.5	197
7	Well-redispersed ceria nanoparticles: Promising peroxidase mimetics for H ₂ O ₂ and glucose detection. <i>Analytical Methods</i> , 2012, 4, 3261.	2.7	194
8	Highly Sensitive Immunoassay Based on Immunogold-Silver Amplification and Inductively Coupled Plasma Mass Spectrometric Detection. <i>Analytical Chemistry</i> , 2011, 83, 2330-2336.	6.5	150
9	Amino-Functionalized Metal-Organic Frameworks Nanoplates-Based Energy Transfer Probe for Highly Selective Fluorescence Detection of Free Chlorine. <i>Analytical Chemistry</i> , 2016, 88, 3413-3420.	6.5	134
10	Novel Mn ₃ O ₄ Micro-octahedra: Promising Cataluminescence Sensing Material for Acetone. <i>Chemistry of Materials</i> , 2009, 21, 5066-5071.	6.7	127
11	Atomization of Hydride with a Low-Temperature, Atmospheric Pressure Dielectric Barrier Discharge and Its Application to Arsenic Speciation with Atomic Absorption Spectrometry. <i>Analytical Chemistry</i> , 2006, 78, 865-872.	6.5	119
12	Luminescent ZnO quantum dots for sensitive and selective detection of dopamine. <i>Talanta</i> , 2013, 107, 133-139.	5.5	118
13	An ascorbic acid sensor based on protein-modified Au nanoclusters. <i>Analyst, The</i> , 2013, 138, 229-233.	3.5	104
14	Metal-organic frameworks (MOFs) combined with ZnO quantum dots as a fluorescent sensing platform for phosphate. <i>Sensors and Actuators B: Chemical</i> , 2014, 197, 50-57.	7.8	98
15	Colorimetric detection of glutathione in human blood serum based on the reduction of oxidized TMB. <i>New Journal of Chemistry</i> , 2013, 37, 2174.	2.8	97
16	Temperature and nano-TiO ₂ controlled photochemical vapor generation for inorganic selenium speciation analysis by AFS or ICP-MS without chromatographic separation. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 514.	3.0	94
17	A cataluminescence gas sensor for triethylamine based on nanosized LaF ₃ -CeO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2012, 169, 261-266.	7.8	93
18	Inductively coupled plasma mass spectrometry-based immunoassay: A review. <i>Mass Spectrometry Reviews</i> , 2014, 33, 373-393.	5.4	90

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19	Fabrication of $\text{Fe}_2\text{O}_3/\text{g-C}_3\text{N}_4$ composites for cataluminescence sensing of H_2S . <i>Sensors and Actuators B: Chemical</i> , 2015, 211, 370-376.	7.8	89
20	Sensitive and selective acetone sensor based on its cataluminescence from nano- La_2O_3 surface. <i>Sensors and Actuators B: Chemical</i> , 2008, 132, 243-249.	7.8	83
21	Recent Advances in Analytical Applications of Nanomaterials in Liquid-Phase Chemiluminescence. <i>Applied Spectroscopy Reviews</i> , 2014, 49, 201-232.	6.7	79
22	A metal (Co)-organic framework-based chemiluminescence system for selective detection of L-cysteine . <i>Analyst</i> , 2015, 140, 2656-2663.	3.5	79
23	An ethanol sensor based on cataluminescence on ZnO nanoparticles. <i>Talanta</i> , 2007, 72, 1593-1597.	5.5	78
24	Dielectric barrier discharge plasma-assisted fabrication of $\text{g-C}_3\text{N}_4-\text{Mn}_3\text{O}_4$ composite for high-performance cataluminescence H_2S gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 1177-1184.	7.8	78
25	A potential visual fluorescence probe for ultratrace arsenic (III) detection by using glutathione-capped CdTe quantum dots. <i>Talanta</i> , 2011, 84, 382-386.	5.5	75
26	Photo-induced cold vapor generation with low molecular weight alcohol, aldehyde, or carboxylic acid for atomic fluorescence spectrometric determination of mercury. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 825-830.	3.7	74
27	Turn-on Fluorescent Probe for Exogenous and Endogenous Imaging of Hypochlorous Acid in Living Cells and Quantitative Application in Flow Cytometry. <i>Analytical Chemistry</i> , 2017, 89, 9544-9551.	6.5	74
28	Recent Advances in Chemiluminescence. <i>Applied Spectroscopy Reviews</i> , 2007, 42, 139-176.	6.7	72
29	Oxidation of Ethyl Ether on Borate Glass: Chemiluminescence, Mechanism, and Development of a Sensitive Gas Sensor. <i>Analytical Chemistry</i> , 2008, 80, 7964-7969.	6.5	69
30	Chemiluminescence microfluidic system sensor on a chip for determination of glucose in human serum with immobilized reagents. <i>Talanta</i> , 2003, 59, 571-576.	5.5	68
31	A green solid-phase method for preparation of carbon nitride quantum dots and their applications in chemiluminescent dopamine sensing. <i>RSC Advances</i> , 2015, 5, 55158-55164.	3.6	66
32	DNA-templated copper nanoparticles: Versatile platform for label-free bioassays. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 105, 436-452.	11.4	65
33	Recent advances in chemiluminescence for reactive oxygen species sensing and imaging analysis. <i>Microchemical Journal</i> , 2019, 146, 83-97.	4.5	64
34	Quantum dots-based chemiluminescence probes: an overview. <i>Luminescence</i> , 2019, 34, 530-543.	2.9	62
35	MOFs-derived dodecahedra porous Co_3O_4 : An efficient cataluminescence sensing material for H_2S . <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 349-357.	7.8	61
36	Cloud point extraction-thermospray flame quartz furnace atomic absorption spectrometry for determination of ultratrace cadmium in water and urine. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006, 61, 1310-1314.	2.9	59

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37	Strategies in liquid-phase chemiluminescence and their applications in bioassay. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 82, 394-411.	11.4	58
38	Chemiluminescence of Oleic Acid Capped Black Phosphorus Quantum Dots for Highly Selective Detection of Sulfite in PM _{2.5} . <i>Analytical Chemistry</i> , 2019, 91, 9174-9180.	6.5	58
39	Graphene and graphene oxides: recent advances in chemiluminescence and electrochemiluminescence. <i>RSC Advances</i> , 2014, 4, 29324.	3.6	56
40	Dielectric Barrier Discharge Molecular Emission Spectrometer as Multichannel GC Detector for Halohydrocarbons. <i>Analytical Chemistry</i> , 2011, 83, 5050-5055.	6.5	54
41	Advances in nanomaterial-assisted cataluminescence and its sensing applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 67, 107-127.	11.4	53
42	Novel metal-organic frameworks-based hydrogen sulfide cataluminescence sensors. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 614-621.	7.8	53
43	Highly sensitive and interference-free determination of bismuth in environmental samples by electrothermal vaporization atomic fluorescence spectrometry after hydride trapping on iridium-coated tungsten coil. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008, 63, 704-709.	2.9	51
44	Selective determination of trace amounts of silver in complicated matrices by displacement-cloud point extraction coupled with thermospray flame furnace atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 752.	3.0	50
45	Development of a Detector for Liquid Chromatography Based on Aerosol Chemiluminescence on Porous Alumina. <i>Analytical Chemistry</i> , 2005, 77, 1518-1525.	6.5	49
46	Chemiluminescence of black phosphorus quantum dots induced by hypochlorite and peroxide. <i>Chemical Communications</i> , 2018, 54, 7987-7990.	4.1	48
47	Fast response near-infrared fluorescent probe for hydrogen sulfide in natural waters. <i>Talanta</i> , 2019, 202, 159-164.	5.5	48
48	Camellia-like NiO: A novel cataluminescence sensing material for H ₂ S. <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 243-250.	7.8	48
49	Novel Strategy for Engineering the Metal-Oxide@MOF Core@Shell Architecture and Its Applications in Cataluminescence Sensing. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3471-3480.	8.0	47
50	Recyclable Decoration of Amine-Functionalized Magnetic Nanoparticles with Ni ²⁺ for Determination of Histidine by Photochemical Vapor Generation Atomic Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 842-848.	6.5	46
51	Dielectric Barrier Discharge-Induced Chemiluminescence: Potential Application as GC Detector. <i>Analytical Chemistry</i> , 2007, 79, 4674-4680.	6.5	45
52	Development of sensitive carbon disulfide sensor by using its cataluminescence on nanosized-CeO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2009, 136, 218-223.	7.8	45
53	Ultrasensitive fluorescence detection of glutaraldehyde in water samples with bovine serum albumin-Au nanoclusters. <i>Microchemical Journal</i> , 2011, 99, 327-331.	4.5	45
54	Biosensors for explosives: State of art and future trends. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 118, 123-137.	11.4	45

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55	Microwave-assisted green synthesis of ultrasmall fluorescent water-soluble silver nanoclusters and its application in chiral recognition of amino acids. <i>Analyst, The</i> , 2013, 138, 6558.	3.5	43
56	A Y-doped metal-organic framework-based cataluminescence gas sensor for isobutanol. <i>Sensors and Actuators B: Chemical</i> , 2014, 201, 413-419.	7.8	43
57	Visualization of Lung Inflammation to Pulmonary Fibrosis via Peroxynitrite Fluctuation. <i>Analytical Chemistry</i> , 2019, 91, 11461-11466.	6.5	43
58	Inorganic arsenic speciation analysis of water samples by trapping arsine on tungsten coil for atomic fluorescence spectrometric determination. <i>Talanta</i> , 2009, 78, 885-890.	5.5	42
59	Photochemical vapor generation of carbonyl for ultrasensitive atomic fluorescence spectrometric determination of cobalt. <i>Microchemical Journal</i> , 2010, 96, 277-282.	4.5	42
60	Stable and Water-Dispersible Graphene Nanosheets: Sustainable Preparation, Functionalization, and High-Performance Adsorbents for Pb ²⁺ . <i>ChemPlusChem</i> , 2012, 77, 379-386.	2.8	42
61	Chemiluminescence biosensor chip based on a microreactor using carrier air flow for determination of uric acid in human serum. <i>Analyst, The</i> , 2002, 127, 1176-1179.	3.5	41
62	Rapid, sensitive and on-line measurement of chemical oxygen demand by novel optical method based on UV photolysis and chemiluminescence. <i>Microchemical Journal</i> , 2007, 87, 56-61.	4.5	41
63	One-step facile synthesis of coral-like Zn-doped SnO ₂ and its cataluminescence sensing of 2-butanone. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7132-7138.	10.3	41
64	Determination of total inorganic arsenic in water samples by cadmium ion assisted photochemical vapor generation-atomic fluorescence spectrometry. <i>Microchemical Journal</i> , 2019, 146, 359-365.	4.5	41
65	Development of an Aerosol Chemiluminescent Detector Coupled to Capillary Electrophoresis for Saccharide Analysis. <i>Analytical Chemistry</i> , 2005, 77, 7356-7365.	6.5	40
66	UV light-emitting-diode photochemical mercury vapor generation for atomic fluorescence spectrometry. <i>Analyst, The</i> , 2012, 137, 686-690.	3.5	40
67	Transient Cataluminescence on Flowerlike MgO for Discrimination and Detection of Volatile Organic Compounds. <i>Analytical Chemistry</i> , 2016, 88, 8137-8144.	6.5	40
68	Thiol-functionalized single-layered MoS ₂ nanosheet as a photoluminescence sensing platform via charge transfer for dopamine detection. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 380-388.	7.8	40
69	Metal-Free Cataluminescence Gas Sensor for Hydrogen Sulfide Based on Its Catalytic Oxidation on Silicon Carbide Nanocages. <i>Analytical Chemistry</i> , 2017, 89, 13666-13672.	6.5	40
70	Enclosed hollow tubular ZnO: Controllable synthesis and their high performance cataluminescence gas sensing of H ₂ S. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 1086-1094.	7.8	40
71	A new alcohols sensor based on cataluminescence on nano-CdS. <i>Sensors and Actuators B: Chemical</i> , 2013, 186, 750-754.	7.8	39
72	Synthesis of water-soluble Ag ₂ Se QDs as a novel resonance Rayleigh scattering sensor for highly sensitive and selective ConA detection. <i>Analyst, The</i> , 2014, 139, 4210-4215.	3.5	39

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73	Atomic absorption spectrometric determination of trace tellurium after hydride trapping on platinum-coated tungsten coil. <i>Microchemical Journal</i> , 2010, 95, 320-325.	4.5	38
74	Highly sensitive cataluminescence gas sensors for 2-butanone based on g-C ₃ N ₄ sheets decorated with CuO nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 8831-8841.	3.7	38
75	Label-Free DNA Assay by Metal Stable Isotope Detection. <i>Analytical Chemistry</i> , 2017, 89, 13269-13274.	6.5	38
76	A cataluminescence gas sensor for carbon tetrachloride based on nanosized ZnS. <i>Analytica Chimica Acta</i> , 2009, 635, 183-187.	5.4	37
77	An ethanol gas sensor using energy transfer cataluminescence on nanosized YVO ₄ :Eu ³⁺ surface. <i>Sensors and Actuators B: Chemical</i> , 2010, 144, 192-197.	7.8	37
78	Sensitive sandwich immunoassay based on single particle mode inductively coupled plasma mass spectrometry detection. <i>Talanta</i> , 2010, 83, 48-54.	5.5	37
79	Silicon carbon nanoparticles-based chemiluminescence probe for hydroxyl radical in PM _{2.5} . <i>Chemical Communications</i> , 2016, 52, 11259-11262.	4.1	37
80	Homogeneous Multiplex Immunoassay for One-Step Pancreatic Cancer Biomarker Evaluation. <i>Analytical Chemistry</i> , 2020, 92, 16105-16112.	6.5	37
81	Highly efficient cataluminescence gas sensor for acetone vapor based on UIO-66 metal-organic frameworks as preconcentrator. <i>Sensors and Actuators B: Chemical</i> , 2020, 312, 127952.	7.8	37
82	Sensitive determination of mercury by a miniaturized spectrophotometer after in situ single-drop microextraction. <i>Journal of Hazardous Materials</i> , 2010, 183, 549-553.	12.4	36
83	Sonochemical synthesis of Ag nanoclusters: electrogenerated chemiluminescence determination of dopamine. <i>Luminescence</i> , 2013, 28, 530-535.	2.9	36
84	The morphological evolution of hydroxyapatite on high-efficiency Pb ²⁺ removal and antibacterial activity. <i>Microchemical Journal</i> , 2017, 135, 16-25.	4.5	36
85	Single nanoparticle analysis by ICPMS: a potential tool for bioassay. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 57-67.	3.0	36
86	Hierarchical hollow microsphere and flower-like indium oxide: Controllable synthesis and application as H ₂ S cataluminescence sensing materials. <i>Materials Research Bulletin</i> , 2012, 47, 2212-2218.	5.2	35
87	Absolute Quantification of Peptides by Isotope Dilution Liquid Chromatography-Inductively Coupled Plasma Mass Spectrometry and Gas Chromatography/Mass Spectrometry. <i>Analytical Chemistry</i> , 2013, 85, 4087-4093.	6.5	35
88	Cataluminescence Coupled with Photoassisted Technology: A Highly Efficient Metal-Free Gas Sensor for Carbon Monoxide. <i>Analytical Chemistry</i> , 2019, 91, 13158-13164.	6.5	35
89	Simultaneous monitoring of polarity changes of lipid droplets and lysosomes with two-photon fluorescent probes. <i>Analytica Chimica Acta</i> , 2020, 1136, 34-41.	5.4	35
90	Simultaneous determination of isoniazid and <i>p</i> -aminosalicylic acid by capillary electrophoresis using chemiluminescence detection. <i>Luminescence</i> , 2009, 24, 243-249.	2.9	34

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91	A highly sensitive upconverting phosphors-based offâ€“on probe for the detection of glutathione. <i>Sensors and Actuators B: Chemical</i> , 2013, 185, 363-369.	7.8	34
92	A Two-Photon Excited Near-Infrared Iridium(III) Complex for Multi-signal Detection and Multimodal Imaging of Hypochlorite. <i>Analytical Chemistry</i> , 2021, 93, 4628-4634.	6.5	34
93	A cataluminescence gas sensor based on nanosized V ₂ O ₅ for tert-butyl mercaptan. <i>Talanta</i> , 2010, 82, 733-738.	5.5	33
94	Protein Quantitation Using Ru-NHS Ester Tagging and Isotope Dilution High-Pressure Liquid Chromatographyâ€“Inductively Coupled Plasma Mass Spectrometry Determination. <i>Analytical Chemistry</i> , 2012, 84, 2769-2775.	6.5	33
95	Recent advances in ratiometric luminescence sensors. <i>Applied Spectroscopy Reviews</i> , 2021, 56, 324-345.	6.7	33
96	Antibody-biotemplated HgS nanoparticles: Extremely sensitive labels for atomic fluorescence spectrometric immunoassay. <i>Analyst</i> , The, 2012, 137, 1473.	3.5	32
97	Multimodal Imaging Iridium(III) Complex for Hypochlorous Acid in Living Systems. <i>Analytical Chemistry</i> , 2020, 92, 8285-8291.	6.5	32
98	Recent Progress in Chemiluminescence for Gas Analysis. <i>Applied Spectroscopy Reviews</i> , 2010, 45, 474-489.	6.7	31
99	Controllable Synthesis of Y ₂ O ₃ Microstructures for Application in Cataluminescence Gas Sensing. <i>Chemistry - A European Journal</i> , 2011, 17, 7105-7111.	3.3	31
100	Poly(thymine)-CuNPs: Bimodal Methodology for Accurate and Selective Detection of TNT at Sub-PPT Levels. <i>Analytical Chemistry</i> , 2018, 90, 14469-14474.	6.5	31
101	UV-Assisted Cataluminescent Sensor for Carbon Monoxide Based on Oxygen-Functionalized g-C ₃ N ₄ Nanomaterials. <i>Analytical Chemistry</i> , 2018, 90, 9598-9605.	6.5	31
102	Organosiloxane and Polyhedral Oligomeric Silsesquioxanes Compounds as Chemiluminescent Molecular Probes for Direct Monitoring Hydroxyl Radicals. <i>Analytical Chemistry</i> , 2019, 91, 8926-8932.	6.5	31
103	Ratiometric Cataluminescence for Rapid Recognition of Volatile Organic Compounds Based on Energy Transfer Process. <i>Analytical Chemistry</i> , 2019, 91, 4860-4867.	6.5	31
104	Recent advances in cataluminescence gas sensor: Materials and methodologies. <i>Applied Spectroscopy Reviews</i> , 2019, 54, 306-324.	6.7	31
105	Uricase-Based Highly Sensitive and Selective Spectrophotometric Determination of Uric Acid Using BSA-Stabilized Au Nanoclusters as Artificial Enzyme. <i>Spectroscopy Letters</i> , 2012, 45, 511-519.	1.0	30
106	Engineering Ratiometric Persistent Luminous Sensor Arrays for Biothiols Identification. <i>Analytical Chemistry</i> , 2020, 92, 6645-6653.	6.5	30
107	Metal-Tagged CRISPR/Cas12a Bioassay Enables Ultrasensitive and Highly Selective Evaluation of Kanamycin Bioaccumulation in Fish Samples. <i>Analytical Chemistry</i> , 2021, 93, 14214-14222.	6.5	30
108	UV Irradiation Controlled Cold Vapor Generation Using SnCl ₂ as Reductant for Mercury Speciation. <i>Analytical Sciences</i> , 2006, 22, 1361-1365.	1.6	29

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109	Synthesis of Ag ₂ Se nanomaterial by electrodeposition and its application as cataluminescence gas sensor material for carbon tetrachloride. <i>Sensors and Actuators B: Chemical</i> , 2011, 155, 311-316.	7.8	29
110	Carbon nitride quantum dot-based chemiluminescence resonance energy transfer for iodide ion sensing. <i>RSC Advances</i> , 2016, 6, 76890-76896.	3.6	29
111	Mass Spectrometric Assay of Alpha-Fetoprotein Isoforms for Accurate Serological Evaluation. <i>Analytical Chemistry</i> , 2020, 92, 4807-4813.	6.5	29
112	Portacaval Shunt Established in Six Dogs Using Magnetic Compression Technique. <i>PLoS ONE</i> , 2013, 8, e76873.	2.5	29
113	Advances in metal-organic frameworks-based gas sensors for hazardous substances. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 153, 116644.	11.4	29
114	Highly sensitive resonance light scattering bioassay for heparin based on polyethyleneimine-capped Ag nanoclusters. <i>Talanta</i> , 2013, 115, 830-836.	5.5	28
115	Element probe based CRISPR/Cas14 bioassay for non-nucleic-acid targets. <i>Chemical Communications</i> , 2021, 57, 10423-10426.	4.1	28
116	Hierarchical SnO ₂ architectures: controllable growth on graphene by atmospheric pressure chemical vapour deposition and application in cataluminescence gas sensor. <i>CrystEngComm</i> , 2014, 16, 3331.	2.6	27
117	A cubic luminescent graphene oxide functionalized Zn-based metal-organic framework composite for fast and highly selective detection of Cu ²⁺ ions in aqueous solution. <i>Analyst</i> , 2014, 139, 764-770.	3.5	26
118	Raspberry-Like Mesoporous Zn _{1.07} Ga _{2.34} Si _{0.98} O _{6.56} :Cr _{0.01} Nanocarriers for Enhanced Near-Infrared Afterglow Imaging and Combined Cancer Chemotherapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44978-44988.	8.0	26
119	Ratiometric Cataluminescence Sensor of Amine Vapors for Discriminating Meat Spoilage. <i>Analytical Chemistry</i> , 2021, 93, 6692-6697.	6.5	26
120	Efficient generation of sulfate radicals in Fe(<i>ii</i>)/S(<i>iv</i>) system induced by WS ₂ nanosheets and examined by its intrinsic chemiluminescence. <i>Chemical Communications</i> , 2020, 56, 6993-6996.	4.1	26
121	Highly sensitive pneumatic nebulization flame furnace atomic absorption spectrometry: complete sample aerosol introduction and on-line preconcentration of cadmium by atom trap. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 37-42.	3.0	25
122	Graphene-amplified electrogenerated chemiluminescence of CdTe quantum dots for H ₂ O ₂ sensing. <i>Luminescence</i> , 2013, 28, 259-264.	2.9	25
123	A highly selective and fast-response photoluminescence humidity sensor based on F ⁺ decorated NH ₂ -MIL-53(Al) nanorods. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9465-9471.	5.5	25
124	Label-Free CRISPR/Cas9 Assay for Site-Specific Nucleic Acid Detection. <i>Analytical Chemistry</i> , 2019, 91, 10870-10878.	6.5	25
125	Controllable deposition of ZnO-doped SnO ₂ nanowires on Au/graphene and their application in cataluminescence sensing for alcohols and ketones. <i>Sensors and Actuators B: Chemical</i> , 2014, 203, 726-735.	7.8	24
126	Modulating near-infrared persistent luminescence of core-shell nanoplatform for imaging of glutathione in tumor mouse model. <i>Biosensors and Bioelectronics</i> , 2019, 144, 111671.	10.1	24

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127	LRET-based functional persistent luminescence nanoprobe for imaging and detection of cyanide ion. <i>Sensors and Actuators B: Chemical</i> , 2019, 279, 189-196.	7.8	24
128	Recent advances in methodologies and applications of cataluminescence sensing. <i>Luminescence</i> , 2020, 35, 1174-1184.	2.9	24
129	Miniaturized dielectric barrier discharge induced chemiluminescence for detection of volatile chlorinated hydrocarbons separated by gas chromatography. <i>Journal of Chromatography A</i> , 2008, 1192, 194-197.	3.7	23
130	Off/On Amino-Functionalized Polyhedral Oligomeric Silsesquioxane- <i>Perylene Diimides</i> Based Hydrophilic Luminescent Polymer for Aqueous Fluoride Ion Detection. <i>Analytical Chemistry</i> , 2020, 92, 5294-5301.	6.5	23
131	K ⁺ Ion-Doped Mixed Carbon Nitride: A Daylight-Driven Photocatalyst and Luminophore for Enhanced Chemiluminescence. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 5478-5486.	8.0	23
132	Chemiluminescence micro-flow-injection analysis on a chip. <i>Luminescence</i> , 2005, 20, 377-381.	2.9	22
133	Light-emitting diode-induced chemiluminescence detection for capillary electrophoresis. <i>Electrophoresis</i> , 2009, 30, 1937-1942.	2.4	22
134	Comparison of tungsten coil electrothermal vaporization and thermospray sample introduction methods for flame furnace atomic absorption spectrometry. <i>Talanta</i> , 2009, 77, 1778-1782.	5.5	22
135	UV-Induced Surface Photovoltage and Photoluminescence on n-Si/TiO ₂ /TiO ₂ :Eu for Dual-Channel Sensing of Volatile Organic Compounds. <i>Analytical Chemistry</i> , 2011, 83, 6552-6558.	6.5	22
136	Size-controllable synthesis of spherical ZnO nanoparticles: Size- and concentration-dependent resonant light scattering. <i>Microchemical Journal</i> , 2012, 100, 61-65.	4.5	22
137	Small molecule-based bioluminescence and chemiluminescence probes for sensing and imaging of reactive species. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 134, 116129.	11.4	22
138	Inductively coupled plasma mass spectrometry for determination of total urinary protein with CdTe quantum dots label. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 2493.	3.0	21
139	Enzyme-free amplified DNA assay: five orders of linearity provided by metal stable isotope detection. <i>Chemical Communications</i> , 2018, 54, 13782-13785.	4.1	21
140	Triazine-based graphitic carbon nitride: controllable synthesis and enhanced cataluminescent sensing for formic acid. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 7499-7509.	3.7	21
141	Engineering the energy gap of black phosphorene quantum dots by surface modification for efficient chemiluminescence. <i>Chemical Communications</i> , 2020, 56, 1891-1894.	4.1	21
142	Advances in chemiluminescence and electrogenerated chemiluminescence based on silicon nanomaterials. <i>Luminescence</i> , 2020, 35, 978-988.	2.9	21
143	An optical humidity sensor based on CdTe nanocrystals modified porous silicon. <i>Microchemical Journal</i> , 2013, 108, 100-105.	4.5	20
144	An upconversion fluorescence based turn-on probe for detecting lead(II) ions. <i>Analytical Methods</i> , 2014, 6, 9073-9077.	2.7	20

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