

Peng Wu

List of Publications by Year in descending order

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papers

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151
all docs

151
docs citations

151
times ranked

7596
citing authors

#	ARTICLE	IF	CITATIONS
1	Doped quantum dots for chemo/biosensing and bioimaging. Chemical Society Reviews, 2013, 42, 5489.	38.1	590
2	Conjugation of Glucose Oxidase onto Mn-Doped ZnS Quantum Dots for Phosphorescent Sensing of Glucose in Biological Fluids. Analytical Chemistry, 2010, 82, 1427-1433.	6.5	330
3	Ratiometric fluorescence, electrochemiluminescence, and photoelectrochemical chemo/biosensing based on semiconductor quantum dots. Nanoscale, 2016, 8, 8427-8442.	5.6	277
4	Electrochemically Generated versus Photoexcited Luminescence from Semiconductor Nanomaterials: Bridging the Valley between Two Worlds. Chemical Reviews, 2014, 114, 11027-11059.	47.7	265
5	Semiconductor quantum dots-based metal ion probes. Nanoscale, 2014, 6, 43-64.	5.6	264
6	Determination and speciation of mercury in environmental and biological samples by analytical atomic spectrometry. Microchemical Journal, 2012, 103, 1-14.	4.5	215
7	A Multidimensional Sensing Device for the Discrimination of Proteins Based on Manganese-Doped ZnS Quantum Dots. Angewandte Chemie - International Edition, 2011, 50, 8118-8121.	13.8	208
8	CdTe Quantum Dots (QDs) Based Kinetic Discrimination of Fe ²⁺ and Fe ³⁺ , and CdTe QDs-Fenton Hybrid System for Sensitive Photoluminescent Detection of Fe ²⁺ . Analytical Chemistry, 2009, 81, 6252-6257.	6.5	204
9	Phosphorescent Carbon Dots for Highly Efficient Oxygen Photosensitization and as Photo-oxidative Nanozymes. ACS Applied Materials & Interfaces, 2018, 10, 40808-40814.	8.0	192
10	Manganese as a Catalytic Mediator for Photo-oxidation and Breaking the pH Limitation of Nanozymes. Nano Letters, 2019, 19, 3214-3220.	9.1	161
11	Applications of chemical vapor generation in non-tetrahydroborate media to analytical atomic spectrometry. Journal of Analytical Atomic Spectrometry, 2010, 25, 1217.	3.0	156
12	Optically-active nanocrystals for inner filter effect-based fluorescence sensing: Achieving better spectral overlap. TrAC - Trends in Analytical Chemistry, 2019, 110, 183-190.	11.4	155
13	Rationale of 3,3',5,5'-Tetramethylbenzidine as the Chromogenic Substrate in Colorimetric Analysis. Analytical Chemistry, 2020, 92, 12400-12406.	6.5	142
14	Determination of Cadmium in Biological Samples. Applied Spectroscopy Reviews, 2006, 41, 35-75.	6.7	111
15	Dual-emitting quantum dot nanohybrid for imaging of latent fingerprints: simultaneous identification of individuals and traffic light-type visualization of TNT. Chemical Science, 2015, 6, 4445-4450.	7.4	108
16	An ascorbic acid sensor based on protein-modified Au nanoclusters. Analyst, The, 2013, 138, 229-233.	3.5	104
17	Determination of cadmium in rice and water by tungsten coil electrothermal vaporization-atomic fluorescence spectrometry and tungsten coil electrothermal atomic absorption spectrometry after cloud point extraction. Analytica Chimica Acta, 2009, 650, 33-38.	5.4	97
18	Ni ²⁺ -modulated homocysteine-capped CdTe quantum dots as a turn-on photoluminescent sensor for detecting histidine in biological fluids. Biosensors and Bioelectronics, 2010, 26, 485-490.	10.1	94

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19	Bromide as a Robust Backfiller on Gold for Precise Control of DNA Conformation and High Stability of Spherical Nucleic Acids. <i>Journal of the American Chemical Society</i> , 2018, 140, 4499-4502.	13.7	91
20	Proteinâ€Directed Synthesis of Mnâ€Doped ZnS Quantum Dots: A Dualâ€Channel Biosensor for Two Proteins. <i>Chemistry - A European Journal</i> , 2013, 19, 7473-7479.	3.3	90
21	Inductively coupled plasma mass spectrometryâ€based immunoassay: A review. <i>Mass Spectrometry Reviews</i> , 2014, 33, 373-393.	5.4	90
22	Fast Imaging of Eccrine Latent Fingerprints with Nontoxic Mn-Doped ZnS QDs. <i>Analytical Chemistry</i> , 2014, 86, 3279-3283.	6.5	87
23	Ultralong Roomâ€Temperature Phosphorescence from Boric Acid. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9500-9506.	13.8	82
24	Lanthanide-Boosted Singlet Oxygen from Diverse Photosensitizers along with Potent Photocatalytic Oxidation. <i>ACS Nano</i> , 2019, 13, 14152-14161.	14.6	80
25	A Fast-Responsive OFFâ€ON Near-Infrared-II Fluorescent Probe for In Vivo Detection of Hypochlorous Acid in Rheumatoid Arthritis. <i>Analytical Chemistry</i> , 2021, 93, 13014-13021.	6.5	79
26	Enriching Mn-Doped ZnSe Quantum Dots onto Mesoporous Silica Nanoparticles for Enhanced Fluorescence/Magnetic Resonance Imaging Dual-Modal Bio-Imaging. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 34060-34067.	8.0	72
27	Highly efficient oxygen photosensitization of carbon dots: the role of nitrogen doping. <i>Nanoscale</i> , 2020, 12, 5543-5553.	5.6	72
28	A simple chemical etching strategy to generate â€ion-imprintedâ€sites on the surface of quantum dots for selective fluorescence turn-on detecting of metal ions. <i>Chemical Communications</i> , 2010, 46, 7046.	4.1	70
29	Sensing during In Situ Growth of Mnâ€Doped ZnS QDs: A Phosphorescent Sensor for Detection of H ₂ S in Biological Samples. <i>Chemistry - A European Journal</i> , 2014, 20, 952-956.	3.3	69
30	Longâ€Lived Charge Carriers in Mnâ€Doped CdS Quantum Dots for Photoelectrochemical Cytosensing. <i>Chemistry - A European Journal</i> , 2015, 21, 5129-5135.	3.3	67
31	A general strategy for development of a single benzene fluorophore with full-color-tunable, environmentally insensitive, and two-photon solid-state emission. <i>Chemical Communications</i> , 2019, 55, 11462-11465.	4.1	64
32	In Situ Activation of CdS Electrochemiluminescence Film and Its Application in H ₂ S Detection. <i>Analytical Chemistry</i> , 2014, 86, 8657-8664.	6.5	63
33	Low-toxic Mn-doped ZnSe@ZnS quantum dots conjugated with nano-hydroxyapatite for cell imaging. <i>Nanoscale</i> , 2014, 6, 14319-14325.	5.6	63
34	Ratiometric Phosphorescent Probe for Thallium in Serum, Water, and Soil Samples Based on Long-Lived, Spectrally Resolved, Mn-Doped ZnSe Quantum Dots and Carbon Dots. <i>Analytical Chemistry</i> , 2018, 90, 2939-2945.	6.5	63
35	Exploring surface chemistry of nano-TiO ₂ for automated speciation analysis of Cr(III) and Cr(VI) in drinking water using flow injection and ET-AAS detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 1098.	3.0	62
36	Phosphorescent Differential Sensing of Physiological Phosphates with Lanthanide Ions-Modified Mn-Doped ZnCdS Quantum Dots. <i>Analytical Chemistry</i> , 2016, 88, 5892-5897.	6.5	60

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37	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
38	Modulation of the Singlet Oxygen Generation from the Double Strand DNA-SYBR Green I Complex Mediated by T-Melamine-T Mismatch for Visual Detection of Melamine. <i>Analytical Chemistry</i> , 2017, 89, 5101-5106.	6.5	58
39	Graphene oxide as a photocatalytic nuclease mimicking nanozyme for DNA cleavage. <i>Nano Research</i> , 2020, 13, 455-460.	10.4	57
40	Gold Nanoparticle-Based Colorimetric Assay for Selenium Detection via Hydride Generation. <i>Analytical Chemistry</i> , 2017, 89, 4695-4700.	6.5	56
41	Nitrogen and copper (II) co-doped carbon dots for applications in ascorbic acid determination by non-oxidation reduction strategy and cellular imaging. <i>Talanta</i> , 2020, 210, 120649.	5.5	56
42	In Situ Generation and Consumption of H_2O_2 by Bi-enzyme–Quantum Dots Bioconjugates for Improved Chemiluminescence Resonance Energy Transfer. <i>Analytical Chemistry</i> , 2016, 88, 6418-6424.	6.5	55
43	A Both-End Blocked Peroxidase-Mimicking DNAzyme for Low-Background Chemiluminescent Sensing of miRNA. <i>ACS Sensors</i> , 2017, 2, 810-816.	7.8	53
44	Exploring the tunable excitation of QDs to maximize the overlap with the absorber for inner filter effect-based phosphorescence sensing of alkaline phosphatase. <i>Nanoscale</i> , 2017, 9, 15606-15611.	5.6	52
45	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
46	Analyte-Activable Probe for Protease Based on Cytochrome C-Capped Mn: ZnS Quantum Dots. <i>Analytical Chemistry</i> , 2014, 86, 10078-10083.	6.5	51
47	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
48	Photocatalytic oxidation of TMB with the double stranded DNA–SYBR Green I complex for label-free and universal colorimetric bioassay. <i>Chemical Communications</i> , 2015, 51, 14465-14468.	4.1	50
49	Evaluation of tungsten coil electrothermal vaporization-Ar/H ₂ flame atomic fluorescence spectrometry for determination of eight traditional hydride-forming elements and cadmium without chemical vapor generation. <i>Talanta</i> , 2008, 74, 505-511.	5.5	48
50	Simultaneous and selective preconcentration of trace Cu and Ag by one-step displacement cloud point extraction for FAAS determination. <i>Talanta</i> , 2010, 81, 586-590.	5.5	45
51	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
52	Label-Free and Separation-Free Atomic Fluorescence Spectrometry-Based Bioassay: Sensitive Determination of Single-Strand DNA, Protein, and Double-Strand DNA. <i>Analytical Chemistry</i> , 2016, 88, 2065-2071.	6.5	45
53	Highly Stable Colorimetric Sensing by Assembly of Gold Nanoparticles with SYBR Green I: From Charge Screening to Charge Neutralization. <i>Analytical Chemistry</i> , 2020, 92, 1455-1462.	6.5	45
54	Simultaneously Broadened Visible Light Absorption and Boosted Intersystem Crossing in Platinum-Doped Graphite Carbon Nitride for Enhanced Photosensitization. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 20770-20777.	8.0	44

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55	On-line precipitation–dissolution in knotted reactor for thermospray flame furnace AAS for determination of ultratrace cadmium. <i>Microchemical Journal</i> , 2009, 91, 193-196.	4.5	43
56	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
57	Recent advances in nanomaterial-enhanced enzyme-linked immunosorbent assays. <i>Analyst</i> , The, 2020, 145, 4069-4078.	3.5	42
58	Highly Sensitive D- Type Near-Infrared Fluorescent Probe for Nitric Oxide Real-Time Imaging in Inflammatory Bowel Disease. <i>Analytical Chemistry</i> , 2021, 93, 4975-4983.	6.5	41
59	Strand Displacement-Induced Enzyme-Free Amplification for Label-Free and Separation-Free Ultrasensitive Atomic Fluorescence Spectrometric Detection of Nucleic Acids and Proteins. <i>Analytical Chemistry</i> , 2016, 88, 12386-12392.	6.5	40
60	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
61	Phosphorescent sensing of Cr ³⁺ with protein-functionalized Mn-doped ZnS quantum dots. <i>Analyst</i> , The, 2013, 138, 6589.	3.5	38
62	Halo-fluorescein for photodynamic bacteria inactivation in extremely acidic conditions. <i>Nature Communications</i> , 2021, 12, 526.	12.8	37
63	Plasma-assisted quadruple-channel optosensing of proteins and cells with Mn-doped ZnS quantum dots. <i>Nanoscale</i> , 2016, 8, 4291-4298.	5.6	35
64	Colorimetric determination of uranyl (UO_2^{2+}) in seawater via DNAzyme-modulated photosensitization. <i>Talanta</i> , 2018, 185, 258-263.	5.5	35
65	Understanding the Effect of pH on the Solubility and Aggregation Extent of Humic Acid in Solution by Combining Simulation and the Experiment. <i>Environmental Science & Technology</i> , 2022, 56, 917-927.	10.0	35
66	Determination of Cadmium in Biological Samples: An Update from 2006 to 2011. <i>Applied Spectroscopy Reviews</i> , 2012, 47, 327-370.	6.7	34
67	Nanocrystals for large Stokes shift-based optosensing. <i>Chinese Chemical Letters</i> , 2019, 30, 1843-1848.	9.0	33
68	Photo-modulated nanozymes for biosensing and biomedical applications. <i>Analytical Methods</i> , 2019, 11, 5081-5088.	2.7	33
69	Flame Furnace Atomic Absorption Spectrometry: A Review. <i>Applied Spectroscopy Reviews</i> , 2009, 44, 411-437.	6.7	30
70	Direct determination of mercury in cosmetic samples by isotope dilution inductively coupled plasma mass spectrometry after dissolution with formic acid. <i>Analytica Chimica Acta</i> , 2014, 812, 6-11.	5.4	30
71	Optical sensing at the nanobiointerface of metal ion–optically-active nanocrystals. <i>Nanoscale</i> , 2018, 10, 5035-5046.	5.6	30
72	A RGB-Type Quantum Dot-based Sensor Array for Sensitive Visual Detection of Trace Formaldehyde in Air. <i>Scientific Reports</i> , 2016, 6, 36794.	3.3	29

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73	Ultralong Room-Temperature Phosphorescence from Boric Acid. <i>Angewandte Chemie</i> , 2021, 133, 9586-9592.	2.0	29
74	Effects of room-temperature ionic liquids on the chemical vapor generation of gold: Mechanism and analytical application. <i>Analytica Chimica Acta</i> , 2009, 650, 59-64.	5.4	28
75	Solution-free, in situ preparation of nano/micro CuO/ZnO in dielectric barrier discharge for sensitive cataluminescence sensing of acetic acid. <i>Analyst</i> , 2013, 138, 3687.	3.5	28
76	Oxidative Capacity Storage of Transient Singlet Oxygen from Photosensitization with a Redox Mediator for Improved Chemiluminescent Sensing. <i>Analytical Chemistry</i> , 2019, 91, 9407-9412.	6.5	27
77	Carbon dots and AuNCs co-doped electrospun membranes for ratiometric fluorescent determination of cyanide. <i>Journal of Hazardous Materials</i> , 2020, 384, 121368.	12.4	27
78	Improving the Signal-to-Background Ratio during Catalytic Hairpin Assembly through Both-End-Blocked DNAzyme. <i>ACS Sensors</i> , 2018, 3, 1190-1195.	7.8	26
79	Recombinase Polymerase Amplification Coupled with a Photosensitization Colorimetric Assay for Fast <i>Salmonella</i> spp. Testing. <i>Analytical Chemistry</i> , 2021, 93, 6559-6566.	6.5	26
80	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
81	Atomic spectrometric detectors for gas chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 77, 139-155.	11.4	25
82	Simultaneous extraction of level 2 and level 3 characteristics from latent fingerprints imaged with quantum dots for improved fingerprint analysis. <i>Chinese Chemical Letters</i> , 2017, 28, 1961-1964.	9.0	25
83	Phosphorescent inner filter effect-based sensing of xanthine oxidase and its inhibitors with Mn-doped ZnS quantum dots. <i>Nanoscale</i> , 2018, 10, 8477-8482.	5.6	25
84	Self-photo-oxidation for extending visible light absorption of carbon dots and oxidase-like activity. <i>Carbon</i> , 2021, 182, 537-544.	10.3	25
85	Glucose oxidase-directed, instant synthesis of Mn-doped ZnS quantum dots in neutral media with retained enzymatic activity: mechanistic study and biosensing application. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5942-5950.	5.8	24
86	AuNCs-Catalyzed Hydrogen Selenide Oxidation: Mechanism and Application for Headspace Fluorescent Detection of Se(IV). <i>Analytical Chemistry</i> , 2019, 91, 6141-6148.	6.5	24
87	One-Step Preparation of Oxygen/Fluorine Dual Functional MWCNTs with Good Water Dispersibility by the Initiation of Fluorine Gas. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 7991-7999.	8.0	23
88	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
89	Photosensitization of Molecular Oxygen on Graphene Oxide for Ultrasensitive Signal Amplification. <i>Chemistry - A European Journal</i> , 2018, 24, 2602-2608.	3.3	22
90	Polypeptide uploaded efficient nanophotosensitizers to overcome photodynamic resistance for enhanced anticancer therapy. <i>Chemical Engineering Journal</i> , 2021, 403, 126344.	12.7	22

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91	Chemical vapor generation from an ionic liquid using a solid reductant: determination of Hg, As and Sb by atomic fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 415-422.	3.0	21
92	Modular Design of High-Brightness pH-Activatable Near-Infrared BODIPY Probes for Noninvasive Fluorescence Detection of Deep-Seated Early Breast Cancer Bone Metastasis: Remarkable Axial Substituent Effect on Performance. <i>ACS Central Science</i> , 2021, 7, 2039-2048.	11.3	21
93	An optical humidity sensor based on CdTe nanocrystals modified porous silicon. <i>Microchemical Journal</i> , 2013, 108, 100-105.	4.5	20
94	Synergy of adsorption and photosensitization of graphene oxide for improved removal of organic pollutants. <i>RSC Advances</i> , 2017, 7, 16204-16209.	3.6	19
95	Comparison of benzothiazole-based dyes for sensitive DNA detection. <i>Chinese Chemical Letters</i> , 2020, 31, 2950-2954.	9.0	19
96	A portable, battery-powered photoelectrochemical aptasensor for field environment monitoring of <i>E. coli</i> O157:H7. <i>Sensors and Actuators B: Chemical</i> , 2021, 346, 130520.	7.8	19
97	Synergetic enhancement effect of ionic liquid and diethyldithiocarbamate on the chemical vapor generation of nickel for its atomic fluorescence spectrometric determination in biological samples. <i>Analytica Chimica Acta</i> , 2009, 652, 143-147.	5.4	18
98	Organosilane-functionalized carbon quantum dots and their applications to "on-off-on" fluorometric determination of chromate and ascorbic acid, and in white light-emitting devices. <i>Mikrochimica Acta</i> , 2019, 186, 516.	5.0	18
99	Nucleoside-based fluorescent carbon dots for discrimination of metal ions. <i>Journal of Materials Chemistry B</i> , 2020, 8, 3640-3646.	5.8	18
100	Bioactive triterpenoids from <i>Lantana camara</i> showing anti-inflammatory activities in vitro and in vivo. <i>Bioorganic Chemistry</i> , 2020, 101, 104004.	4.1	18
101	Colorimetric Polymerase Chain Reaction Enabled by a Fast Light-Activated Substrate Chromogenic Detection Platform. <i>Analytical Chemistry</i> , 2020, 92, 6456-6461.	6.5	18
102	Room-Temperature Phosphorescence of Pure Axially Chiral Bicarbazoles. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 5838-5844.	4.6	18
103	Regulation of trichome development in tobacco by JcZFP8, a C2H2 zinc finger protein gene from <i>Jatropha curcas</i> L.. <i>Gene</i> , 2018, 658, 47-53.	2.2	17
104	Probing the Formation Kinetics and Thermodynamics with Rationally Designed Analytical Tools Enables One-Pot Synthesis and Purification of a Tetrahedral DNA Nanostructure. <i>Analytical Chemistry</i> , 2021, 93, 7045-7053.	6.5	17
105	Modification-free and N-acetyl-L-cysteine-induced colorimetric response of AuNPs: A mechanistic study and sensitive Hg ²⁺ detection. <i>Talanta</i> , 2016, 159, 87-92.	5.5	16
106	Suppressing the background activity of hemin for boosting the sensitivity of DNAzyme-based biosensors by SYBR Green I. <i>Biosensors and Bioelectronics</i> , 2020, 169, 112603.	10.1	16
107	Analysis of the Isotopic Purity of D ₂ O with the Characteristic NIR-II Phosphorescence of Singlet Oxygen from a Photostable Polythiophene Photosensitizer. <i>Analytical Chemistry</i> , 2021, 93, 9737-9743.	6.5	16
108	Inductively Coupled Plasma Optical Emission Spectrometry in the Vacuum Ultraviolet Region. <i>Applied Spectroscopy Reviews</i> , 2009, 44, 507-533.	6.7	15

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109	A compact electrothermal-flame tandem atomizer for highly sensitive atomic fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 1780.	3.0	15
110	Ultrasensitive atomic fluorescence spectrometric detection of DNA with quantum dot-assemblies as signal amplification labels. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 888-894.	3.0	15
111	Aggregation-induced phosphorescence enhancement of Mn-doped ZnS quantum dots: the role of dot-to-dot distance. <i>Nanoscale</i> , 2018, 10, 9236-9244.	5.6	15
112	Corona discharge radical emission spectroscopy: a multi-channel detector with nose-type function for discrimination analysis. <i>Analyst</i> , 2013, 138, 2249.	3.5	14
113	Development of pH-activatable fluorescent probes for rapid visualization of metastatic tumours and fluorescence-guided surgery <i>via</i> topical spraying. <i>Chemical Communications</i> , 2021, 57, 10636-10639.	4.1	14
114	Two birds with one stone: A highly sensitive near-infrared BODIPY-based fluorescent probe for the simultaneous detection of Fe ²⁺ and H ⁺ in vivo. <i>Talanta</i> , 2021, 233, 122601.	5.5	14
115	Cu-doped quantum dots: a new class of near-infrared emitting fluorophores for bioanalysis and bioimaging. <i>Luminescence</i> , 2019, 34, 782-789.	2.9	13
116	Double-Stranded DNA Matrix for Photosensitization Switching. <i>CCS Chemistry</i> , 2021, 3, 2394-2404.	7.8	13
117	Combating the hypoxia limit of photodynamic therapy through reversing the survival-related pathways of cancer cells. <i>Coordination Chemistry Reviews</i> , 2022, 452, 214306.	18.8	13
118	Exploration of Displacement Reaction/Sorption Strategies in Spectrometric Analysis. <i>Applied Spectroscopy Reviews</i> , 2013, 48, 629-653.	6.7	12
119	The reaction kinetics and mechanism of crude fluoroelastomer vulcanized by direct fluorination with fluorine/nitrogen gas. <i>RSC Advances</i> , 2015, 5, 18932-18938.	3.6	12
120	Various surface functionalizations of ultra-high-molecular-weight polyethylene based on fluorine-activation behavior. <i>RSC Advances</i> , 2015, 5, 79081-79089.	3.6	12
121	Curcun C inhibit osteosarcoma cell line U2OS proliferation by ROS induced apoptosis, autophagy and cell cycle arrest through activating JNK signal pathway. <i>International Journal of Biological Macromolecules</i> , 2022, 195, 433-439.	7.5	12
122	Improved Performance of On-line Atom Trapping in Flame Furnace Atomic Absorption Spectrometry by Chemical Vapor Generation: Determination of Cadmium in High-Salinity Water Samples. <i>Spectroscopy Letters</i> , 2009, 42, 240-245.	1.0	11
123	Dually enriched Cu:CdS@ZnS QDs with both polyvinylpyrrolidone twisting and SiO ₂ loading for improved cell imaging. <i>Chemical Communications</i> , 2015, 51, 3552-3555.	4.1	11
124	Phosphorescent Inner Filter Effect-based Sensing System for Determination of Î ² -glucuronidase Using Manganese-doped Zinc Sulfide Quantum Dots. <i>Chinese Journal of Analytical Chemistry</i> , 2017, 45, 1909-1914.	1.7	11
125	Color-tunable ultralong room temperature phosphorescence from EDTA. <i>Chemical Communications</i> , 2021, 57, 3575-3578.	4.1	11
126	Low-Cost Naked-Eye UVB and UVC Dosimetry Based on 3,3',5,5'-Tetramethylbenzidine. <i>Analytical Chemistry</i> , 2022, 94, 4373-4379.	6.5	11

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127	Octachloro-fluorescein: Synthesis and photosensitizer performance evaluation. <i>Dyes and Pigments</i> , 2019, 170, 107635.	3.7	10
128	DNA-modulated photosensitization: current status and future aspects in biosensing and environmental monitoring. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4415-4423.	3.7	9
129	Natural iridoids from <i>Patrinia heterophylla</i> showing anti-inflammatory activities in vitro and in vivo. <i>Bioorganic Chemistry</i> , 2020, 104, 104331.	4.1	9
130	Sensitive Determination of Lead by Flame Atomic Absorption Spectrometry Improved with Branched Capillary as Hydride Generator and Without Phase Separation. <i>Mikrochimica Acta</i> , 2006, 155, 441-445.	5.0	8
131	A composite with excellent tribological performance derived from oxy-fluorinated UHMWPE particle/polyurethane. <i>RSC Advances</i> , 2014, 4, 9321.	3.6	8
132	Systematic Probing of the Sequence Selectivity of Exonuclease III with a Photosensitization Colorimetric Assay. <i>ACS Omega</i> , 2019, 4, 13382-13387.	3.5	8
133	Selective Heavy Atom Effect Forming Photosensitizing Hot Spots in Double-Stranded DNA Matrix. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9205-9212.	4.6	8
134	Se powder as precursor without solubilization for Mn-doped ZnSe QDs: Fast synthesis and analytical characterization. <i>Microchemical Journal</i> , 2017, 134, 191-196.	4.5	7
135	Low power density 980 nm-driven ultrabright red-emitting upconversion nanoparticles <i>via</i> synergistic Yb ³⁺ /Tm ³⁺ cascade-sensitization. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13415-13424.	5.5	7
136	Recent advances in the targeted fluorescent probes for the detection of metastatic bone cancer. <i>Science China Chemistry</i> , 2021, 64, 1283-1296.	8.2	7
137	An aqueous room-temperature phosphorescent probe for Gd ³⁺ . <i>Chemical Communications</i> , 2022, 58, 2686-2689.	4.1	7
138	Universal “Three-in-One” Matrix to Maximize Reactive Oxygen Species Generation from Food and Drug Administration-Approved Photosensitizers for Photodynamic Inactivation of Biofilms. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 15059-15068.	8.0	7
139	Facile monitoring of meat freshness with a self-constructed photosensitization colorimetric instrument. <i>Food Chemistry</i> , 2022, 385, 132676.	8.2	7
140	Nitric oxide inhibitory iridoids as potential anti-inflammatory agents from <i>Valeriana jatamansi</i> . <i>Bioorganic Chemistry</i> , 2020, 101, 103974.	4.1	6
141	Exploration of nano-surface chemistry for spectral analysis. <i>Science Bulletin</i> , 2013, 58, 2017-2026.	1.7	5
142	Universal and label-free photosensitization colorimetric assays enabled by target-induced termini transformation of dsDNA resistant to Exo III digestion. <i>Chemical Communications</i> , 2019, 55, 7211-7214.	4.1	5
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145	Full liberation of 2-Aminopurine with nucleases digestion for highly sensitive biosensing. Biosensors and Bioelectronics, 2022, 196, 113721.	10.1	4
146	Evaluation of the sequence-dependent relative activity of APE1 for optimal biosensing design. Biosensors and Bioelectronics, 2022, 214, 114539.	10.1	4
147	Easily ignored interference light from the second order diffraction of the excitation grating in a xenon lamp-based spectrometer. Results in Chemistry, 2020, 2, 100072.	2.0	3
148	Polythiophene as a near full pH photo-antimicrobial. Journal of Materials Chemistry B, 2022, 10, 4944-4951.	5.8	3
149	Innenr¼cktitelbild: Ultralong Room-Temperature Phosphorescence from Boric Acid (Angew. Chem.) Tj ETQq1 1 0,784314 JgBT /Over	2.0	3