

# Huang-Hao Yang

## List of Publications by Year in descending order

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285  
papers

24,917  
citations

6254

80  
h-index

8630

146  
g-index

287  
all docs

287  
docs citations

287  
times ranked

23012  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Graphene Platform for Sensing Biomolecules. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4785-4787.	13.8	1,801
2	All-inorganic perovskite nanocrystal scintillators. <i>Nature</i> , 2018, 561, 88-93.	27.8	1,274
3	Simultaneous Fenton-like Ion Delivery and Glutathione Depletion by MnO <sub>2</sub> -Based Nanoagent to Enhance Chemodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4902-4906.	13.8	1,068
4	Synthesis of Copper Peroxide Nanodots for H <sub>2</sub> O <sub>2</sub> Self-Supplying Chemodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2019, 141, 9937-9945.	13.7	759
5	Multifunctional Fe <sub>3</sub> O <sub>4</sub> @Polydopamine Core-Shell Nanocomposites for Intracellular mRNA Detection and Imaging-Guided Photothermal Therapy. <i>ACS Nano</i> , 2014, 8, 3876-3883.	14.6	599
6	Photoacoustic Imaging: Contrast Agents and Their Biomedical Applications. <i>Advanced Materials</i> , 2019, 31, e1805875.	21.0	468
7	Functional nucleic acid-based hydrogels for bioanalytical and biomedical applications. <i>Chemical Society Reviews</i> , 2016, 45, 1410-1431.	38.1	416
8	Self-assembly of DNA Nanohydrogels with Controllable Size and Stimuli-Responsive Property for Targeted Gene Regulation Therapy. <i>Journal of the American Chemical Society</i> , 2015, 137, 1412-1415.	13.7	406
9	Turn-On Fluorescence Sensor for Intracellular Imaging of Glutathione Using g-C <sub>3</sub> N <sub>4</sub> Nanosheet-MnO <sub>2</sub> Sandwich Nanocomposite. <i>Analytical Chemistry</i> , 2014, 86, 3426-3434.	6.5	378
10	High-resolution X-ray luminescence extension imaging. <i>Nature</i> , 2021, 590, 410-415.	27.8	378
11	Metal Halide Perovskite Nanosheet for X-ray High-Resolution Scintillation Imaging Screens. <i>ACS Nano</i> , 2019, 13, 2520-2525.	14.6	346
12	Using graphene to protect DNA from cleavage during cellular delivery. <i>Chemical Communications</i> , 2010, 46, 3116.	4.1	339
13	Engineering Target-Responsive Hydrogels Based on Aptamer-Target Interactions. <i>Journal of the American Chemical Society</i> , 2008, 130, 6320-6321.	13.7	324
14	Graphitic-phase C <sub>3</sub> N <sub>4</sub> nanosheets as efficient photosensitizers and pH-responsive drug nanocarriers for cancer imaging and therapy. <i>Journal of Materials Chemistry B</i> , 2014, 2, 1031.	5.8	298
15	Functionalization of metal nanoclusters for biomedical applications. <i>Analyst</i> , 2016, 141, 3126-3140.	3.5	279
16	Ultrasound-Activated Sensitizers and Applications. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14212-14233.	13.8	271
17	Co <sub>9</sub> Se <sub>8</sub> Nanoplates as a New Theranostic Platform for Photoacoustic/Magnetic Resonance Dual-Modal Imaging-Guided Chemo-Photothermal Combination Therapy. <i>Advanced Materials</i> , 2015, 27, 3285-3291.	21.0	265
18	Protein Recognition via Surface Molecularly Imprinted Polymer Nanowires. <i>Analytical Chemistry</i> , 2006, 78, 317-320.	6.5	251

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19	An Ultrasound Activated Vesicle of Janus Au@MnO Nanoparticles for Promoted Tumor Penetration and Sonochemodynamic Therapy of Orthotopic Liver Cancer. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1682-1688.	13.8	249
20	Mussel-inspired molecularly imprinted polymer coating superparamagnetic nanoparticles for protein recognition. <i>Journal of Materials Chemistry</i> , 2010, 20, 880-883.	6.7	247
21	Organic phosphors with bright triplet excitons for efficient X-ray-excited luminescence. <i>Nature Photonics</i> , 2021, 15, 187-192.	31.4	237
22	X-ray-activated nanosystems for theranostic applications. <i>Chemical Society Reviews</i> , 2019, 48, 3073-3101.	38.1	231
23	Amplified Aptamer-Based Assay through Catalytic Recycling of the Analyte. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8454-8457.	13.8	212
24	Sensing HIV related protein using epitope imprinted hydrophilic polymer coated quartz crystal microbalance. <i>Biosensors and Bioelectronics</i> , 2012, 31, 439-444.	10.1	212
25	Graphitic Carbon Nitride Materials: Sensing, Imaging and Therapy. <i>Small</i> , 2016, 12, 5376-5393.	10.0	195
26	Simultaneous Fenton-Like Ion Delivery and Glutathione Depletion by MnO <sub>2</sub> -Based Nanoagent to Enhance Chemodynamic Therapy. <i>Angewandte Chemie</i> , 2018, 130, 4996-5000.	2.0	195
27	Facile Synthesis of Enhanced Fluorescent Gold-Silver Bimetallic Nanocluster and Its Application for Highly Sensitive Detection of Inorganic Pyrophosphatase Activity. <i>Analytical Chemistry</i> , 2016, 88, 8886-8892.	6.5	190
28	Recent Progress in NIR-II Contrast Agent for Biological Imaging. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 487.	4.1	183
29	Increasing the Sensitivity and Single-Base Mismatch Selectivity of the Molecular Beacon Using Graphene Oxide as the Nanoquencher. <i>Chemistry - A European Journal</i> , 2010, 16, 4889-4894.	3.3	181
30	Silver Nanolabels-Assisted Ion-Exchange Reaction with CdTe Quantum Dots Mediated Exciton Trapping for Signal-On Photoelectrochemical Immunoassay of Mycotoxins. <i>Analytical Chemistry</i> , 2016, 88, 7858-7866.	6.5	177
31	Endogenous Labile Iron Pool-Mediated Free Radical Generation for Cancer Chemodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2020, 142, 15320-15330.	13.7	170
32	Black Phosphorus Quantum Dots with Renal Clearance Property for Efficient Photodynamic Therapy. <i>Small</i> , 2018, 14, 1702815.	10.0	168
33	Low-Dose X-ray Activation of W(VI)-Doped Persistent Luminescence Nanoparticles for Deep-Tissue Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2018, 28, 1707496.	14.9	167
34	General Colorimetric Detection of Proteins and Small Molecules Based on Cyclic Enzymatic Signal Amplification and Hairpin Aptamer Probe. <i>Analytical Chemistry</i> , 2012, 84, 5309-5315.	6.5	165
35	A New Class of NIR-II Gold Nanocluster-Based Protein Biolabels for In Vivo Tumor-Targeted Imaging. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1306-1312.	13.8	155
36	Yolk-Shell Nanostructures: Design, Synthesis, and Biomedical Applications. <i>Advanced Materials</i> , 2018, 30, 1704639.	21.0	153

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37	A Ratiometric Fluorescent Bioprobe Based on Carbon Dots and Acridone Derivate for Signal Amplification Detection Exosomal microRNA. <i>Analytical Chemistry</i> , 2018, 90, 8969-8976.	6.5	153
38	A mussel-inspired supramolecular hydrogel with robust tissue anchor for rapid hemostasis of arterial and visceral bleedings. <i>Bioactive Materials</i> , 2021, 6, 2829-2840.	15.6	152
39	Room-temperature synthesis of core-shell structured magnetic covalent organic frameworks for efficient enrichment of peptides and simultaneous exclusion of proteins. <i>Chemical Communications</i> , 2017, 53, 3649-3652.	4.1	144
40	Janus Nanoparticles: From Fabrication to (Bio)Applications. <i>ACS Nano</i> , 2021, 15, 6147-6191.	14.6	140
41	Topological insulator bismuth selenide as a theranostic platform for simultaneous cancer imaging and therapy. <i>Scientific Reports</i> , 2013, 3, 1998.	3.3	137
42	Self-Assembled Responsive Bilayered Vesicles with Adjustable Oxidative Stress for Enhanced Cancer Imaging and Therapy. <i>Journal of the American Chemical Society</i> , 2019, 141, 8158-8170.	13.7	132
43	Bioinspired Mineral-Organic Bone Adhesives for Stable Fracture Fixation and Accelerated Bone Regeneration. <i>Advanced Functional Materials</i> , 2020, 30, 1908381.	14.9	130
44	Hydrogen Gas from Inflammation Treatment to Cancer Therapy. <i>ACS Nano</i> , 2019, 13, 8505-8511.	14.6	124
45	Facile synthesis of enzyme-inorganic hybrid nanoflowers and their application as an immobilized trypsin reactor for highly efficient protein digestion. <i>RSC Advances</i> , 2014, 4, 13888-13891.	3.6	123
46	Facile synthesis of polydopamine-coated molecularly imprinted silica nanoparticles for protein recognition and separation. <i>Biosensors and Bioelectronics</i> , 2013, 47, 120-126.	10.1	122
47	Enzyme-Free and Label-Free Ultrasensitive Electrochemical Detection of Human Immunodeficiency Virus DNA in Biological Samples Based on Long-Range Self-Assembled DNA Nanostructures. <i>Analytical Chemistry</i> , 2012, 84, 8277-8283.	6.5	120
48	Highly Selective and Sensitive Electrochemiluminescence Biosensor for p53 DNA Sequence Based on Nicking Endonuclease Assisted Target Recycling and Hyperbranched Rolling Circle Amplification. <i>Analytical Chemistry</i> , 2016, 88, 5097-5103.	6.5	118
49	Dye-enhanced graphene oxide for photothermal therapy and photoacoustic imaging. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5762.	5.8	115
50	A universal multicolor immunosensor for semiquantitative visual detection of biomarkers with the naked eyes. <i>Biosensors and Bioelectronics</i> , 2017, 87, 122-128.	10.1	115
51	Equipping Natural Killer Cells with Specific Targeting and Checkpoint Blocking Aptamers for Enhanced Adoptive Immunotherapy in Solid Tumors. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12022-12028.	13.8	114
52	One-pot synthesis of an organic-inorganic hybrid affinity monolithic column for specific capture of glycoproteins. <i>Chemical Communications</i> , 2011, 47, 9675.	4.1	108
53	Semiautomated Support Photoelectrochemical Immunosensing Platform for Portable and High-Throughput Immunoassay Based on Au Nanocrystal Decorated Specific Crystal Facets BiVO <sub>4</sub> Photoanode. <i>Analytical Chemistry</i> , 2016, 88, 12539-12546.	6.5	107
54	Yolk-Shell Nanostructure: An Ideal Architecture to Achieve Harmonious Integration of Magnetic-Plasmonic Hybrid Theranostic Platform. <i>Advanced Materials</i> , 2017, 29, 1606681.	21.0	106

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55	Nongenetic Approach for Imaging Protein Dimerization by Aptamer Recognition and Proximity-Induced DNA Assembly. <i>Journal of the American Chemical Society</i> , 2018, 140, 4186-4190.	13.7	106
56	Amplified Visualization of Protein-Specific Glycosylation in Zebrafish via Proximity-Induced Hybridization Chain Reaction. <i>Journal of the American Chemical Society</i> , 2018, 140, 16589-16595.	13.7	104
57	A silk-based sealant with tough adhesion for instant hemostasis of bleeding tissues. <i>Nanoscale Horizons</i> , 2019, 4, 1333-1341.	8.0	104
58	Bispecific Aptamer Induced Artificial Protein-Pairing: A Strategy for Selective Inhibition of Receptor Function. <i>Journal of the American Chemical Society</i> , 2019, 141, 12673-12681.	13.7	102
59	Stimuli-Responsive Nanoparticles for Controlled Drug Delivery in Synergistic Cancer Immunotherapy. <i>Advanced Science</i> , 2022, 9, e2103444.	11.2	102
60	Protein-Metal Organic Framework Hybrid Composites with Intrinsic Peroxidase-like Activity as a Colorimetric Biosensing Platform. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 29052-29061.	8.0	101
61	Ultrasensitive Homogeneous Electrochemical Biosensor for DNA Species Related to Oral Cancer Based on Nicking Endonuclease Assisted Target Recycling Amplification. <i>Analytical Chemistry</i> , 2015, 87, 9204-9208.	6.5	100
62	Synthesis of uniformly sized molecularly imprinted polymer-coated silica nanoparticles for selective recognition and enrichment of lysozyme. <i>Journal of Materials Chemistry</i> , 2012, 22, 17914.	6.7	99
63	Ultrasound activation of liposomes for enhanced ultrasound imaging and synergistic gas and sonodynamic cancer therapy. <i>Nanoscale Horizons</i> , 2019, 4, 747-756.	8.0	97
64	An inorganic prodrug, tellurium nanowires with enhanced ROS generation and GSH depletion for selective cancer therapy. <i>Chemical Science</i> , 2019, 10, 7068-7075.	7.4	97
65	Self-Assembled and Size-Controllable Oligonucleotide Nanospheres for Effective Antisense Gene Delivery through an Endocytosis-Independent Pathway. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5236-5240.	13.8	97
66	Molecularly imprinted polymer as SPE sorbent for selective extraction of melamine in dairy products. <i>Talanta</i> , 2009, 80, 821-825.	5.5	96
67	Cooperation of endogenous and exogenous reactive oxygen species induced by zinc peroxide nanoparticles to enhance oxidative stress-based cancer therapy. <i>Theranostics</i> , 2019, 9, 7200-7209.	10.0	96
68	A black phosphorus nanosheet-based siRNA delivery system for synergistic photothermal and gene therapy. <i>Chemical Communications</i> , 2018, 54, 3142-3145.	4.1	93
69	Two-dimensional tellurium nanosheets for photoacoustic imaging-guided photodynamic therapy. <i>Chemical Communications</i> , 2018, 54, 8579-8582.	4.1	93
70	Functionalizing Double-Network Hydrogels for Applications in Remote Actuation and in Low-Temperature Strain Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 30247-30258.	8.0	93
71	Mussel- and Barnacle Cement Proteins-Inspired Dual-Bionic Bioadhesive with Repeatable Wet-Tissue Adhesion, Multimodal Self-Healing, and Antibacterial Capability for Nonpressing Hemostasis and Promoted Wound Healing. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	93
72	Graphene-Oxide-Modified Lanthanide Nanoprobe for Tumor-Targeted Visible/NIR Luminescence Imaging. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18981-18986.	13.8	92

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73	A graphene oxide platform for energy transfer-based detection of protease activity. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3894-3899.	10.1	91
74	Logic-Gate-Actuated DNA-Controlled Receptor Assembly for the Programmable Modulation of Cellular Signal Transduction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18186-18190.	13.8	90
75	Copper Manganese Sulfide Nanoplates: A New Two-Dimensional Theranostic Nanoplatfor for MRI/MSOT Dual-Modal Imaging-Guided Photothermal Therapy in the Second Near-Infrared Window. <i>Theranostics</i> , 2017, 7, 4763-4776.	10.0	89
76	Synthesis of boronic acid-functionalized molecularly imprinted silica nanoparticles for glycoprotein recognition and enrichment. <i>Journal of Materials Chemistry B</i> , 2014, 2, 637-643.	5.8	88
77	Nucleic Acids Analysis. <i>Science China Chemistry</i> , 2021, 64, 171-203.	8.2	88
78	Near-Infrared Light-Triggered Sulfur Dioxide Gas Therapy of Cancer. <i>ACS Nano</i> , 2019, 13, 2103-2113.	14.6	86
79	Facile Phase Transfer and Surface Biofunctionalization of Hydrophobic Nanoparticles Using Janus DNA Tetrahedron Nanostructures. <i>Journal of the American Chemical Society</i> , 2015, 137, 11210-11213.	13.7	85
80	Artificial chimeric exosomes for anti-phagocytosis and targeted cancer therapy. <i>Chemical Science</i> , 2019, 10, 1555-1561.	7.4	85
81	Manganese-iron layered double hydroxide: a theranostic nanoplatfor with pH-responsive MRI contrast enhancement and drug release. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3629-3633.	5.8	83
82	Dual Ratiometric SERS and Photoacoustic Core-Satellite Nanoprobe for Quantitatively Visualizing Hydrogen Peroxide in Inflammation and Cancer. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7323-7332.	13.8	83
83	A signal amplification electrochemical aptasensor for the detection of breast cancer cell via free-running DNA walker. <i>Biosensors and Bioelectronics</i> , 2016, 85, 184-189.	10.1	80
84	Biomimetic Design of Hollow Flower-Like $\text{g-C}_3\text{N}_4$ @PDA Organic Framework Nanospheres for Realizing an Efficient Photoreactivity. <i>Small</i> , 2019, 15, e1900011.	10.0	80
85	Versatile surface engineering of porous nanomaterials with bioinspired polyphenol coatings for targeted and controlled drug delivery. <i>Nanoscale</i> , 2016, 8, 8600-8606.	5.6	78
86	Biologically Responsive Plasmonic Assemblies for Second Near-Infrared Window Photoacoustic Imaging-Guided Concurrent Chemo-Immunotherapy. <i>ACS Nano</i> , 2020, 14, 3991-4006.	14.6	78
87	Conductive Composite Fiber with Optimized Alignment Guides Neural Regeneration under Electrical Stimulation. <i>Advanced Healthcare Materials</i> , 2021, 10, e2000604.	7.6	77
88	A simple and ultrasensitive electrochemical DNA biosensor based on DNA concatamers. <i>Chemical Communications</i> , 2011, 47, 12116.	4.1	76
89	Gold Nanoparticle-Decorated $\text{g-C}_3\text{N}_4$ Nanosheets for Controlled Generation of Reactive Oxygen Species upon 670 nm Laser Illumination. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 10589-10596.	8.0	75
90	NIR/ROS-Responsive Black Phosphorus QD Vesicles as Immunoadjuvant Carrier for Specific Cancer Photodynamic Immunotherapy. <i>Advanced Functional Materials</i> , 2020, 30, 1905758.	14.9	75

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91	An ultrasensitive signal-on electrochemical aptasensor via target-induced conjunction of split aptamer fragments. <i>Biosensors and Bioelectronics</i> , 2010, 25, 996-1000.	10.1	74
92	Repeatable deep-tissue activation of persistent luminescent nanoparticles by soft X-ray for high sensitivity long-term in vivo bioimaging. <i>Nanoscale</i> , 2017, 9, 2718-2722.	5.6	74
93	DNA Octahedron-Based Fluorescence Nanoprobe for Dual Tumor-Related mRNAs Detection and Imaging. <i>Analytical Chemistry</i> , 2018, 90, 12059-12066.	6.5	72
94	Enhanced Cellular Ablation by Attenuating Hypoxia Status and Reprogramming Tumor-Associated Macrophages via NIR Light-Responsive Upconversion Nanocrystals. <i>Bioconjugate Chemistry</i> , 2018, 29, 928-938.	3.6	71
95	Bifunctional superparamagnetic surface molecularly imprinted polymer core-shell nanoparticles. <i>Journal of Materials Chemistry</i> , 2009, 19, 1077.	6.7	70
96	Polyphenolâ€inspired Facile Construction of Smart Assemblies for ATPâ€and pHâ€Responsive Tumor MR/Optical Imaging and Photothermal Therapy. <i>Small</i> , 2017, 13, 1603997.	10.0	70
97	Single Wavelength Laser Excitation Ratiometric NIR-II Fluorescent Probe for Molecule Imaging in Vivo. <i>Analytical Chemistry</i> , 2020, 92, 6111-6120.	6.5	70
98	Silk fibroin-assisted exfoliation and functionalization of transition metal dichalcogenide nanosheets for antibacterial wound dressings. <i>Nanoscale</i> , 2017, 9, 17193-17198.	5.6	69
99	Smart Cu(II)-aptamer complexes based gold nanoplatforM for tumor micro-environment triggered programmable intracellular prodrug release, photodynamic treatment and aggregation induced photothermal therapy of hepatocellular carcinoma. <i>Theranostics</i> , 2017, 7, 164-179.	10.0	69
100	Near-infrared light-mediated rare-earth nanocrystals: recent advances in improving photon conversion and alleviating the thermal effect. <i>NPG Asia Materials</i> , 2018, 10, 685-702.	7.9	68
101	Exonuclease-Catalyzed Target Recycling Amplification and Immobilization-free Electrochemical Aptasensor. <i>Analytical Chemistry</i> , 2015, 87, 11826-11831.	6.5	66
102	A novel colorimetric assay for rapid detection of cysteine and Hg <sup>2+</sup> based on gold clusters. <i>Talanta</i> , 2016, 146, 71-74.	5.5	65
103	Recent Development in X-Ray Imaging Technology: Future and Challenges. <i>Research</i> , 2021, 2021, 9892152.	5.7	65
104	Singlet Oxygen Generation in Darkâ€Hypoxia by Catalytic Microenvironmentâ€Tailored Nanoreactors for NIRâ€II Fluorescenceâ€Monitored Chemodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15006-15012.	13.8	64
105	Water-Based Black Phosphorus Hybrid Nanosheets as a Moldable Platform for Wound Healing Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 35495-35502.	8.0	63
106	Self-Quenched Metalâ€Organic Particles as Dual-Mode Therapeutic Agents for Photoacoustic Imaging-Guided Second Near-Infrared Window Photochemotherapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 25203-25212.	8.0	63
107	Ag <sup>+</sup> -Coupled Black Phosphorus Vesicles with Emerging NIRâ€II Photoacoustic Imaging Performance for Cancer Immuneâ€Dynamic Therapy and Fast Wound Healing. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22202-22209.	13.8	63
108	Plasmonic-Fluorescent Janus Ag/Ag <sub>2</sub> S Nanoparticles for <i>In Situ</i> H <sub>2</sub> O <sub>2</sub> -Activated NIR-II Fluorescence Imaging. <i>Nano Letters</i> , 2021, 21, 2625-2633.	9.1	62

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109	Photogenerated Holes Mediated Nitric Oxide Production for Hypoxic Tumor Treatment. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7046-7050.	13.8	61
110	Chemotherapeutic Drug Based Metal-Organic Particles for Microvesicle-Mediated Deep Penetration and Programmable pH/NIR/Hypoxia Activated Cancer Photochemotherapy. <i>Advanced Science</i> , 2018, 5, 1700648.	11.2	60
111	GSH-Responsive Radiosensitizers with Deep Penetration Ability for Multimodal Imaging-Guided Synergistic Radio-Chemodynamic Cancer Therapy. <i>Advanced Functional Materials</i> , 2021, 31, 2101278.	14.9	60
112	Ultrasensitive detection of Cu <sup>2+</sup> with the naked eye and application in immunoassays. <i>NPG Asia Materials</i> , 2012, 4, e10-e10.	7.9	59
113	Click synthesis of glucose-functionalized hydrophilic magnetic mesoporous nanoparticles for highly selective enrichment of glycopeptides and glycans. <i>Journal of Chromatography A</i> , 2014, 1358, 29-38.	3.7	59
114	Homogeneous electrochemical aptasensor for mucin 1 detection based on exonuclease I-assisted target recycling amplification strategy. <i>Biosensors and Bioelectronics</i> , 2018, 117, 474-479.	10.1	59
115	Dual-enhanced photothermal conversion properties of reduced graphene oxide-coated gold superparticles for light-triggered acoustic and thermal theranostics. <i>Nanoscale</i> , 2016, 8, 2116-2122.	5.6	58
116	Magnetic targeted near-infrared II PA/MR imaging guided photothermal therapy to trigger cancer immunotherapy. <i>Theranostics</i> , 2020, 10, 4997-5010.	10.0	58
117	Light-activated gold nanorod vesicles with NIR-II fluorescence and photoacoustic imaging performances for cancer theranostics. <i>Theranostics</i> , 2020, 10, 4809-4821.	10.0	58
118	Plant Polyphenol-Assisted Green Synthesis of Hollow CoPt Alloy Nanoparticles for Dual-Modality Imaging Guided Photothermal Therapy. <i>Small</i> , 2016, 12, 1506-1513.	10.0	57
119	Tumor Microenvironment Activable Self-Assembled DNA Hybrids for pH and Redox Dual-Responsive Chemotherapy/PDT Treatment of Hepatocellular Carcinoma. <i>Advanced Science</i> , 2017, 4, 1600460.	11.2	56
120	Organic phosphorescent scintillation from copolymers by X-ray irradiation. <i>Nature Communications</i> , 2022, 13, .	12.8	55
121	Asymmetric Core-Shell Gold Nanoparticles and Controllable Assemblies for SERS Ratiometric Detection of MicroRNA. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12560-12568.	13.8	54
122	Graphene and Nanogold-Functionalized Immunosensing Interface with Enhanced Sensitivity for One-Step Electrochemical Immunoassay of Alpha-Fetoprotein in Human Serum. <i>Electroanalysis</i> , 2010, 22, 2720-2728.	2.9	53
123	HCR-stimulated formation of DNAzyme concatamers on gold nanoparticle for ultrasensitive impedimetric immunoassay. <i>Biosensors and Bioelectronics</i> , 2015, 68, 487-493.	10.1	53
124	Kiwifruit-like Persistent Luminescent Nanoparticles with High-Performance and in Situ Activable Near-Infrared Persistent Luminescence for Long-Term in Vivo Bioimaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 41181-41187.	8.0	51
125	Broadband Detection of X-ray, Ultraviolet, and Near-Infrared Photons using Solution-Processed Perovskite-Lanthanide Nanotransducers. <i>Advanced Materials</i> , 2021, 33, e2101852.	21.0	51
126	Near-Infrared II Gold Nanocluster Assemblies with Improved Luminescence and Biocompatibility for In Vivo Ratiometric Imaging of H <sub>2</sub> S. <i>Analytical Chemistry</i> , 2022, 94, 2641-2647.	6.5	51



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127	Targeted photothermal ablation of pathogenic bacterium, <i>Staphylococcus aureus</i> , with nanoscale reduced graphene oxide. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2496.	5.8	50
128	Quantitative Photoacoustic Diagnosis and Precise Treatment of Inflammation In Vivo Using Activatable Theranostic Nanoprobe. <i>Advanced Functional Materials</i> , 2020, 30, 2001771.	14.9	50
129	Quantitative Assessment of Copper(II) in Wilson's Disease Based on Photoacoustic Imaging and Ratiometric Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2021, 15, 3402-3414.	14.6	50
130	Recent Advances of Membrane-Cloaked Nanoplatforams for Biomedical Applications. <i>Bioconjugate Chemistry</i> , 2018, 29, 838-851.	3.6	49
131	Grafting of molecularly imprinted polymers from the surface of silica gel particles via reversible addition-fragmentation chain transfer polymerization: A selective sorbent for theophylline. <i>Talanta</i> , 2009, 79, 141-145.	5.5	48
132	One-pot preparation of glutathione-silica hybrid monolith for mixed-mode capillary liquid chromatography based on thiol-ene-click chemistry. <i>Journal of Chromatography A</i> , 2014, 1355, 228-237.	3.7	48
133	High-efficiency X-ray luminescence in Eu <sup>3+</sup> -activated tungstate nanoprobe for optical imaging through energy transfer sensitization. <i>Nanoscale</i> , 2018, 10, 1607-1612.	5.6	48
134	In Vivo Tracking of Cell Viability for Adoptive Natural Killer Cell-Based Immunotherapy by Ratiometric NIR Fluorescence Imaging. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20888-20896.	13.8	48
135	Graphitic carbon nitride supported platinum nanocomposites for rapid and sensitive colorimetric detection of mercury ions. <i>Analytica Chimica Acta</i> , 2017, 980, 72-78.	5.4	47
136	Homogeneous and label-free electrochemiluminescence aptasensor based on the difference of electrostatic interaction and exonuclease-assisted target recycling amplification. <i>Biosensors and Bioelectronics</i> , 2018, 105, 182-187.	10.1	47
137	A Highly Effective $\pi$ - $\pi$ Stacking Strategy To Modify Black Phosphorus with Aromatic Molecules for Cancer Theranostics. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 9860-9871.	8.0	47
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285	Upconversion Nanomaterials for Near-infrared Light-Mediated Theranostics. , 2019, , 321-340.		0