

Huang-Hao Yang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

277
papers

16,891
citations

65
h-index

122
g-index

287
ext. papers

20,726
ext. citations

10.8
avg, IF

7.09
L-index

#	Paper	IF	Citations
277	A graphene platform for sensing biomolecules. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4785-4790	16.4	1688
276	All-inorganic perovskite nanocrystal scintillators. <i>Nature</i> , 2018 , 561, 88-93	50.4	773
275	Simultaneous Fenton-like Ion Delivery and Glutathione Depletion by MnO ₂ -Based Nanoagent to Enhance Chemodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 4902-4906	16.4	654
274	Multifunctional Fe ₃ O ₄ @polydopamine core-shell nanocomposites for intracellular mRNA detection and imaging-guided photothermal therapy. <i>ACS Nano</i> , 2014 , 8, 3876-83	16.7	502
273	Synthesis of Copper Peroxide Nanodots for HO Self-Supplying Chemodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9937-9945	16.4	419
272	Turn-on fluorescence sensor for intracellular imaging of glutathione using g-C ₃ N ₄ /nanosheet-MnO ₂ sandwich nanocomposite. <i>Analytical Chemistry</i> , 2014 , 86, 3426-34	7.8	331
271	Functional nucleic acid-based hydrogels for bioanalytical and biomedical applications. <i>Chemical Society Reviews</i> , 2016 , 45, 1410-31	58.5	328
270	Using graphene to protect DNA from cleavage during cellular delivery. <i>Chemical Communications</i> , 2010 , 46, 3116-8	5.8	319
269	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, 1412-5	16.4	304
268	Engineering target-responsive hydrogels based on aptamer-target interactions. <i>Journal of the American Chemical Society</i> , 2008 , 130, 6320-1	16.4	277
267	Graphitic-phase CN nanosheets as efficient photosensitizers and pH-responsive drug nanocarriers for cancer imaging and therapy. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 1031-1037	7.3	249
266	Co ₂ Se ₃ nanoplates as a new theranostic platform for photoacoustic/magnetic resonance dual-modal-imaging-guided chemo-photothermal combination therapy. <i>Advanced Materials</i> , 2015 , 27, 3285-91	24	246
265	Functionalization of metal nanoclusters for biomedical applications. <i>Analyst, The</i> , 2016 , 141, 3126-40	5	235
264	Mussel-inspired molecularly imprinted polymer coating superparamagnetic nanoparticles for protein recognition. <i>Journal of Materials Chemistry</i> , 2010 , 20, 880-883		234
263	Protein recognition via surface molecularly imprinted polymer nanowires. <i>Analytical Chemistry</i> , 2006 , 78, 317-20	7.8	232
262	Metal Halide Perovskite Nanosheet for X-ray High-Resolution Scintillation Imaging Screens. <i>ACS Nano</i> , 2019 , 13, 2520-2525	16.7	218
261	Photoacoustic Imaging: Contrast Agents and Their Biomedical Applications. <i>Advanced Materials</i> , 2019 , 31, e1805875	24	209

260	Amplified aptamer-based assay through catalytic recycling of the analyte. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 8454-7	16.4	199
259	Sensing HIV related protein using epitope imprinted hydrophilic polymer coated quartz crystal microbalance. <i>Biosensors and Bioelectronics</i> , 2012 , 31, 439-44	11.8	176
258	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, 4889-94	4.8	173
257	General colorimetric detection of proteins and small molecules based on cyclic enzymatic signal amplification and hairpin aptamer probe. <i>Analytical Chemistry</i> , 2012 , 84, 5309-15	7.8	152
256	Graphitic Carbon Nitride Materials: Sensing, Imaging and Therapy. <i>Small</i> , 2016 , 12, 5376-5393	11	152
255	An Ultrasound Activated Vesicle of Janus Au-MnO Nanoparticles for Promoted Tumor Penetration and Sono-Chemodynamic Therapy of Orthotopic Liver Cancer. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1682-1688	16.4	147
254	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, 8886-92	7.8	144
253	Black Phosphorus Quantum Dots with Renal Clearance Property for Efficient Photodynamic Therapy. <i>Small</i> , 2018 , 14, 1702815	11	136
252	Simultaneous Fenton-like Ion Delivery and Glutathione Depletion by MnO ₂ -Based Nanoagent to Enhance Chemodynamic Therapy. <i>Angewandte Chemie</i> , 2018 , 130, 4996-5000	3.6	125
251	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, 7858-66	7.8	125
250	Topological insulator bismuth selenide as a theranostic platform for simultaneous cancer imaging and therapy. <i>Scientific Reports</i> , 2013 , 3, 1998	4.9	125
249	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	15.6	120
248	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, 8277-83	7.8	118
247	Yolk-Shell Nanostructures: Design, Synthesis, and Biomedical Applications. <i>Advanced Materials</i> , 2018 , 30, 1704639	24	116
246	High-resolution X-ray luminescence extension imaging. <i>Nature</i> , 2021 , 590, 410-415	50.4	113
245	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	5.8	110
244	Facile synthesis of polydopamine-coated molecularly imprinted silica nanoparticles for protein recognition and separation. <i>Biosensors and Bioelectronics</i> , 2013 , 47, 120-6	11.8	110
243	Ultrasound-Activated Sensitizers and Applications. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14212-14233	16.4	108

242	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	7.8	107
241	One-pot synthesis of an organic-inorganic hybrid affinity monolithic column for specific capture of glycoproteins. <i>Chemical Communications</i> , 2011 , 47, 9675-7	5.8	105
240	X-ray-activated nanosystems for theranostic applications. <i>Chemical Society Reviews</i> , 2019 , 48, 3073-3101	58.5	104
239	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	3.7	104
238	Dye-enhanced graphene oxide for photothermal therapy and photoacoustic imaging. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 5762-5767	7.3	101
237	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, 5097-103	7.8	101
236	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	16.4	93
235	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		92
234	Molecularly imprinted polymer as SPE sorbent for selective extraction of melamine in dairy products. <i>Talanta</i> , 2009 , 80, 821-5	6.2	91
233	Recent Progress in NIR-II Contrast Agent for Biological Imaging. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 487	5.8	89
232	Semiautomated Support Photoelectrochemical Immunosensing Platform for Portable and High-Throughput Immunoassay Based on Au Nanocrystal Decorated Specific Crystal Facets BiVO ₄ Photoanode. <i>Analytical Chemistry</i> , 2016 , 88, 12539-12546	7.8	86
231	A universal multicolor immunosensor for semiquantitative visual detection of biomarkers with the naked eyes. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 122-128	11.8	85
230	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, 9204-8	7.8	84
229	A graphene oxide platform for energy transfer-based detection of protease activity. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 3894-9	11.8	83
228	Organic phosphors with bright triplet excitons for efficient X-ray-excited luminescence. <i>Nature Photonics</i> , 2021 , 15, 187-192	33.9	83
227	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	16.4	81
226	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	7.3	81
225	Yolk-Shell Nanostructure: An Ideal Architecture to Achieve Harmonious Integration of Magnetic-Plasmonic Hybrid Theranostic Platform. <i>Advanced Materials</i> , 2017 , 29, 1606681	24	76

224	A black phosphorus nanosheet-based siRNA delivery system for synergistic photothermal and gene therapy. <i>Chemical Communications</i> , 2018 , 54, 3142-3145	5.8	74
223	A simple and ultrasensitive electrochemical DNA biosensor based on DNA concatamers. <i>Chemical Communications</i> , 2011 , 47, 12116-8	5.8	74
222	Two-dimensional tellurium nanosheets for photoacoustic imaging-guided photodynamic therapy. <i>Chemical Communications</i> , 2018 , 54, 8579-8582	5.8	73
221	Copper Manganese Sulfide Nanoplates: A New Two-Dimensional Theranostic Nanoplatform for MRI/MSOT Dual-Modal Imaging-Guided Photothermal Therapy in the Second Near-Infrared Window. <i>Theranostics</i> , 2017 , 7, 4763-4776	12.1	72
220	Protein-Metal Organic Framework Hybrid Composites with Intrinsic Peroxidase-like Activity as a Colorimetric Biosensing Platform. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 29052-29061	9.5	72
219	Facile Phase Transfer and Surface Biofunctionalization of Hydrophobic Nanoparticles Using Janus DNA Tetrahedron Nanostructures. <i>Journal of the American Chemical Society</i> , 2015 , 137, 11210-3	16.4	71
218	An ultrasensitive signal-on electrochemical aptasensor via target-induced conjunction of split aptamer fragments. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 996-1000	11.8	71
217	Near-Infrared Light-Triggered Sulfur Dioxide Gas Therapy of Cancer. <i>ACS Nano</i> , 2019 , 13, 2103-2113	16.7	70
216	Endogenous Labile Iron Pool-Mediated Free Radical Generation for Cancer Chemodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2020 , 142, 15320-15330	16.4	69
215	Manganese-iron layered double hydroxide: a theranostic nanoplatform with pH-responsive MRI contrast enhancement and drug release. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 3629-3633	7.3	68
214	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	11.8	67
213	Versatile surface engineering of porous nanomaterials with bioinspired polyphenol coatings for targeted and controlled drug delivery. <i>Nanoscale</i> , 2016 , 8, 8600-6	7.7	66
212	Bifunctional superparamagnetic surface molecularly imprinted polymer core-shell nanoparticles. <i>Journal of Materials Chemistry</i> , 2009 , 19, 1077		65
211	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	16.4	65
210	Graphene-Oxide-Modified Lanthanide Nanoprobes for Tumor-Targeted Visible/NIR-II Luminescence Imaging. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18981-18986	16.4	64
209	Hydrogen Gas from Inflammation Treatment to Cancer Therapy. <i>ACS Nano</i> , 2019 , 13, 8505-8511	16.7	63
208	Ultrasound activation of liposomes for enhanced ultrasound imaging and synergistic gas and sonodynamic cancer therapy. <i>Nanoscale Horizons</i> , 2019 , 4, 747-756	10.8	62
207	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	16.4	61

206	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	16.7	61
205	Bioinspired Mineral/Organic Bone Adhesives for Stable Fracture Fixation and Accelerated Bone Regeneration. <i>Advanced Functional Materials</i> , 2020 , 30, 1908381	15.6	58
204	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	4.5	57
203	Ultrasensitive detection of Cu ²⁺ with the naked eye and application in immunoassays. <i>NPG Asia Materials</i> , 2012 , 4, e10-e10	10.3	57
202	Exonuclease-Catalyzed Target Recycling Amplification and Immobilization-free Electrochemical Aptasensor. <i>Analytical Chemistry</i> , 2015 , 87, 11826-31	7.8	56
201	NIR/ROS-Responsive Black Phosphorus QD Vesicles as Immunoadjuvant Carrier for Specific Cancer Photodynamic Immunotherapy. <i>Advanced Functional Materials</i> , 2020 , 30, 1905758	15.6	56
200	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	16.4	54
199	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	16.4	54
198	A silk-based sealant with tough adhesion for instant hemostasis of bleeding tissues. <i>Nanoscale Horizons</i> , 2019 , 4, 1333-1341	10.8	54
197	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	16.4	54
196	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	6.3	53
195	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	16.4	53
194	Smart Cu(II)-aptamer complexes based gold nanoplatfor 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	12.1	53
193	Polyphenol-Inspired Facile Construction of Smart Assemblies for ATP- and pH-Responsive Tumor MR/Optical Imaging and Photothermal Therapy. <i>Small</i> , 2017 , 13, 1603997	11	52
192	Biomimetic Design of Hollow Flower-Like g-C ₃ N ₄ @PDA Organic Framework Nanospheres for Realizing an Efficient Photoreactivity. <i>Small</i> , 2019 , 15, e1900011	11	52
191	Self-Quenched Metal-Organic Particles as Dual-Mode Therapeutic Agents for Photoacoustic Imaging-Guided Second Near-Infrared Window Photochemotherapy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 25203-25212	9.5	52
190	Artificial chimeric exosomes for anti-phagocytosis and targeted cancer therapy. <i>Chemical Science</i> , 2019 , 10, 1555-1561	9.4	51
189	A novel colorimetric assay for rapid detection of cysteine and Hg ²⁺ based on gold clusters. <i>Talanta</i> , 2016 , 146, 71-4	6.2	50

188	Biologically Responsive Plasmonic Assemblies for Second Near-Infrared Window Photoacoustic Imaging-Guided Concurrent Chemo-Immunotherapy. <i>ACS Nano</i> , 2020 , 14, 3991-4006	16.7	50
187	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	13.6	50
186	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	3	50
185	Dual-enhanced photothermal conversion properties of reduced graphene oxide-coated gold superparticles for light-triggered acoustic and thermal theranostics. <i>Nanoscale</i> , 2016 , 8, 2116-22	7.7	49
184	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	12.1	49
183	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	7.7	48
182	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	13.6	48
181	Silk fibroin-assisted exfoliation and functionalization of transition metal dichalcogenide nanosheets for antibacterial wound dressings. <i>Nanoscale</i> , 2017 , 9, 17193-17198	7.7	48
180	An inorganic prodrug, tellurium nanowires with enhanced ROS generation and GSH depletion for selective cancer therapy. <i>Chemical Science</i> , 2019 , 10, 7068-7075	9.4	46
179	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, 141-5	6.2	46
178	Plant Polyphenol-Assisted Green Synthesis of Hollow CoPt Alloy Nanoparticles for Dual-Modality Imaging Guided Photothermal Therapy. <i>Small</i> , 2016 , 12, 1506-13	11	46
177	Gold Nanoparticle-Decorated g-CN Nanosheets for Controlled Generation of Reactive Oxygen Species upon 670 nm Laser Illumination. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 10589-10596	9.5	46
176	DNA Octahedron-Based Fluorescence Nanoprobe for Dual Tumor-Related mRNAs Detection and Imaging. <i>Analytical Chemistry</i> , 2018 , 90, 12059-12066	7.8	46
175	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, 228-37	4.5	44
174	HCR-stimulated formation of DNAzyme concatamers on gold nanoparticle for ultrasensitive impedimetric immunoassay. <i>Biosensors and Bioelectronics</i> , 2015 , 68, 487-493	11.8	44
173	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	10.3	43
172	Amplified Aptamer-Based Assay through Catalytic Recycling of the Analyte. <i>Angewandte Chemie</i> , 2010 , 122, 8632-8635	3.6	43
171	Water-Based Black Phosphorus Hybrid Nanosheets as a Moldable Platform for Wound Healing Applications. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 35495-35502	9.5	43

170	Functionalizing Double-Network Hydrogels for Applications in Remote Actuation and in Low-Temperature Strain Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 30247-30258	9.5	42
169	Targeted photothermal ablation of pathogenic bacterium, <i>Staphylococcus aureus</i> , with nanoscale reduced graphene oxide. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 2496-2501	7.3	41
168	High photoluminescent carbon based dots with tunable emission color from orange to green. <i>Nanoscale</i> , 2017 , 9, 1028-1032	7.7	40
167	Direct detection of circulating microRNAs in serum of cancer patients by coupling protein-facilitated specific enrichment and rolling circle amplification. <i>Chemical Communications</i> , 2014 , 50, 3292-5	5.8	40
166	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	11.8	40
165	Gadolinium oxysulfide-coated gold nanorods with improved stability and dual-modal magnetic resonance/photoacoustic imaging contrast enhancement for cancer theranostics. <i>Nanoscale</i> , 2017 , 9, 56-61	7.7	39
164	Janus Nanoparticles: From Fabrication to (Bio)Applications. <i>ACS Nano</i> , 2021 , 15, 6147-6191	16.7	39
163	Single Wavelength Laser Excitation Ratiometric NIR-II Fluorescent Probe for Molecule Imaging in Vivo. <i>Analytical Chemistry</i> , 2020 , 92, 6111-6120	7.8	37
162	High-efficiency X-ray luminescence in Eu-activated tungstate nanoprobe for optical imaging through energy transfer sensitization. <i>Nanoscale</i> , 2018 , 10, 1607-1612	7.7	36
161	Light-activated gold nanorod vesicles with NIR-II fluorescence and photoacoustic imaging performances for cancer theranostics. <i>Theranostics</i> , 2020 , 10, 4809-4821	12.1	36
160	Graphitic carbon nitride supported platinum nanocomposites for rapid and sensitive colorimetric detection of mercury ions. <i>Analytica Chimica Acta</i> , 2017 , 980, 72-78	6.6	35
159	Magnetic targeted near-infrared II PA/MR imaging guided photothermal therapy to trigger cancer immunotherapy. <i>Theranostics</i> , 2020 , 10, 4997-5010	12.1	34
158	One-pot synthesis of phenylboronic acid-functionalized core-shell magnetic nanoparticles for selective enrichment of glycoproteins. <i>RSC Advances</i> , 2012 , 2, 5062	3.7	33
157	Ag-Coupled Black Phosphorus Vesicles with Emerging NIR-II Photoacoustic Imaging Performance for Cancer Immune-Dynamic Therapy and Fast Wound Healing. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22202-22209	16.4	33
156	A Highly Effective π-π Stacking Strategy To Modify Black Phosphorus with Aromatic Molecules for Cancer Theranostics. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 9860-9871	9.5	33
155	Nucleic Acids Analysis. <i>Science China Chemistry</i> , 2020 , 64, 1-33	7.9	33
154	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 & Interfaces</i> , 2017 , 9, 41181-41187	9.5	32
153	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	16.4	32

152	Manganese-phenolic network-coated black phosphorus nanosheets for theranostics combining magnetic resonance/photoacoustic dual-modal imaging and photothermal therapy. <i>Chemical Communications</i> , 2019 , 55, 850-853	5.8	31
151	Recent Advances of Membrane-Cloaked Nanoplatforms for Biomedical Applications. <i>Bioconjugate Chemistry</i> , 2018 , 29, 838-851	6.3	31
150	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	11.8	31
149	Engineering of tungsten carbide nanoparticles for imaging-guided single 1,064 nm laser-activated dual-type photodynamic and photothermal therapy of cancer. <i>Nano Research</i> , 2018 , 11, 4859-4873	10	31
148	A colorimetric mercury(II) assay based on the Hg(II)-stimulated peroxidase mimicking activity of a nanocomposite prepared from graphitic carbon nitride and gold nanoparticles. <i>Mikrochimica Acta</i> , 2018 , 186, 7	5.8	31
147	Photogenerated Holes Mediated Nitric Oxide Production for Hypoxic Tumor Treatment. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 7046-7050	16.4	31
146	Simple colorimetric bacterial detection and high-throughput drug screening based on a graphene-enzyme complex. <i>Nanoscale</i> , 2013 , 5, 619-23	7.7	30
145	Label-free and ultrasensitive electrochemiluminescence detection of microRNA based on long-range self-assembled DNA nanostructures. <i>Mikrochimica Acta</i> , 2014 , 181, 731-736	5.8	29
144	Bioinspired "Active" Stealth Magneto-Nanomicelles for Theranostics Combining Efficient MRI and Enhanced Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 30502-30509	9.5	29
143	Conductive Composite Fiber with Optimized Alignment Guides Neural Regeneration under Electrical Stimulation. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2000604	10.1	29
142	Artificial Engineered Natural Killer Cells Combined with Antiheat Endurance as a Powerful Strategy for Enhancing Photothermal-Immunotherapy Efficiency of Solid Tumors. <i>Small</i> , 2019 , 15, e1902636	11	28
141	Sensitive detection of telomerase activity in cancer cells using portable pH meter as readout. <i>Biosensors and Bioelectronics</i> , 2018 , 121, 153-158	11.8	28
140	Sensitive fluorescence immunoassay of alpha-fetoprotein through copper ions modulated growth of quantum dots in-situ. <i>Sensors and Actuators B: Chemical</i> , 2017 , 247, 408-413	8.5	27
139	A Graphene Platform for Sensitive Electrochemical Immunoassay of Carcinoembryonic Antigen Based on Gold-Nanoflower Biolabels. <i>Electroanalysis</i> , 2011 , 23, 832-841	3	27
138	Quantitative Photoacoustic Diagnosis and Precise Treatment of Inflammation In Vivo Using Activatable Theranostic Nanoprobe. <i>Advanced Functional Materials</i> , 2020 , 30, 2001771	15.6	27
137	DNA-mediated reversible capture and release of circulating tumor cells with a multivalent dual-specific aptamer coating network. <i>Chemical Communications</i> , 2019 , 55, 5387-5390	5.8	26
136	Immobilization free electrochemical biosensor for folate receptor in cancer cells based on terminal protection. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 496-501	11.8	26
135	Multiplex detection of nucleases by a graphene-based platform. <i>Journal of Materials Chemistry</i> , 2011 , 21, 10915		26

134	Nongenetic engineering strategies for regulating receptor oligomerization in living cells. <i>Chemical Society Reviews</i> , 2020 , 49, 1545-1568	58.5	25
133	Imaging of Receptor Dimers in Zebrafish and Living Cells via Aptamer Recognition and Proximity-Induced Hybridization Chain Reaction. <i>Analytical Chemistry</i> , 2018 , 90, 14433-14438	7.8	25
132	A fast synthetic strategy for high-quality atomically thin antimonene with ultrahigh sonication power. <i>Nano Research</i> , 2018 , 11, 5968-5977	10	24
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