Hui Cheng

List of Publications by Year
in descending order

171 papers	4,736 citations	87888 38 h-index	149698 56 g-index
173 all docs	173 docs citations	173 times ranked	5469 citing authors

#	Article	IF	Citations
1	Nanocomposite hydrogels for tissue engineering applications. Nanoscale, 2020, 12, 14976-14995.	5.6	168
2	Micron-Sized Ultrathin Metalâ€“Organic Framework Sheet. Journal of the American Chemical Society, 2020, 142, 10331-10336.	13.7	136
3	Purification of HCC-specific extracellular vesicles on nanosubstrates for early HCC detection by digital scoring. Nature Communications, 2020, 11, 4489.	12.8	134
4	Hydrophobic IR-780 Dye Encapsulated in cRGD-Conjugated Solid Lipid Nanoparticles for NIR Imaging-Guided Photothermal Therapy. ACS Applied Materials & Interfaces, 2017, 9, 12217-12226.	8.0	132
5	Recent Progress of Highly Adhesive Hydrogels as Wound Dressings. Biomacromolecules, 2020, 21, 3966-3983.	5.4	127
6	Chitosan Nanofibers for Specific Capture and Nondestructive Release of CTCs Assisted by pCBMA Brushes. Small, 2016, 12, 5090-5097.	10.0	105
7	Metalâ€“Organic Frameworks with Enhanced Photodynamic Therapy: Synthesis, Erythrocyte Membrane Camouflage, and Aptamer-Targeted Aggregation. ACS Applied Materials & Interfaces, 2020, 12, 23697-23706.	8.0	101
8	In vitro selection and amplification protocols for isolation of aptameric sensors for small molecules. Methods, 2016, 106, 58-65.	3.8	92
9	Gadolinium-based nanoscale MRI contrast agents for tumor imaging. Journal of Materials Chemistry B, 2017, 5, 3431-3461.	5.8	92
10	Selection and characterization of DNA aptamers for the development of light-up biosensor to detect Cd(II). Talanta, 2016, 154, 498-503.	5.5	91
11	Near-Infrared Light-Driven Photoelectrochemical Aptasensor Based on the Upconversion Nanoparticles and TiO₂/CdTe Heterostructure for Detection of Cancer Cells. ACS Applied Materials & Interfaces, 2016, 8, 25834-25839.	8.0	82
12	Specific capture and temperature-mediated release of cells in an aptamer-based microfluidic device. Lab on A Chip, 2012, 12, 3504.	6.0	80
13	Synthesis of Metalâ€“Organic Framework Nanosheets with High Relaxation Rate and Singlet Oxygen Yield. Chemistry of Materials, 2018, 30, 7511-7520.	6.7	75
14	High-purity capture of CTCs based on micro-beads enhanced isolation by size of epithelial tumor cells (ISET) method. Biosensors and Bioelectronics, 2018, 102, 157-163.	10.1	74
15	A Multiscale TiO₂ Nanorod Array for Ultrasensitive Capture of Circulating Tumor Cells. ACS Applied Materials & Interfaces, 2016, 8, 12638-12643.	8.0	68
16	High-Efficiency Isolation and Rapid Identification of Heterogeneous Circulating Tumor Cells (CTCs) Using Dual-Antibody-Modified Fluorescent-Magnetic Nanoparticles. ACS Applied Materials & Interfaces, 2019, 11, 39586-39593.	8.0	68
17	Berberine as a novel light-up i-motif fluorescence ligand and its application in designing molecular logic systems. Chemical Communications, 2016, 52, 179-182.	4.1	65
18	A photo-regulated aptamer sensor for spatiotemporally controlled monitoring of ATP in the mitochondria of living cells. Chemical Science, 2020, 11, 713-720.	7.4	65

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19	A Cellular Compatible Chitosan Nanoparticle Surface for Isolation and In Situ Culture of Rare Number CTCs. Small, 2015, 11, 5444-5451.	10.0	63
20	3D Bioprinting of Bone Marrow Mesenchymal Stem Cell-Laden Silk Fibroin Double Network Scaffolds for Cartilage Tissue Repair. Bioconjugate Chemistry, 2020, 31, 1938-1947.	3.6	59
21	MXeneâ€“laden bacteriophage: A new antibacterial candidate to control bacterial contamination in water. Chemosphere, 2022, 290, 133383.	8.2	55
22	Visual detection of Ca²⁺based on aggregation-induced emission of Au(<scp>i</scp>)â€“Cys complexes with superb selectivity. Chemical Communications, 2015, 51, 596-598.	4.1	54
23	An aptameric graphene nanosensor for label-free detection of small-molecule biomarkers. Biosensors and Bioelectronics, 2015, 71, 222-229.	10.1	53
24	Aptamer-Targeted Photodynamic Platforms for Tumor Therapy. ACS Applied Materials & Interfaces, 2021, 13, 27749-27773.	8.0	52
25	An injectable BMSC-laden enzyme-catalyzed crosslinking collagen-hyaluronic acid hydrogel for cartilage repair and regeneration. Journal of Materials Chemistry B, 2020, 8, 4237-4244.	5.8	50
26	Selection of DNA aptamers for the development of light-up biosensor to detect Pb(II). Sensors and Actuators B: Chemical, 2018, 254, 214-221.	7.8	49
27	Label-free detection of Pb²⁺ based on aggregation-induced emission enhancement of Au-nanoclusters. RSC Advances, 2015, 5, 36582-36586.	3.6	48
28	Extremely Small Iron Oxide Nanoparticle-Encapsulated Nanogels as a Glutathione-Responsive T₁ Contrast Agent for Tumor-Targeted Magnetic Resonance Imaging. ACS Applied Materials & Interfaces, 2020, 12, 26973-26981.	8.0	47
29	A graphene aptasensor for biomarker detection in human serum. Electrochimica Acta, 2018, 290, 356-363.	5.2	46
30	NIR-laser-triggered gadolinium-doped carbon dots for magnetic resonance imaging, drug delivery and combined photothermal chemotherapy for triple negative breast cancer. Journal of Nanobiotechnology, 2021, 19, 64.	9.1	46
31	Aptamer-Modified Temperature-Sensitive Liposomal Contrast Agent for Magnetic Resonance Imaging. Biomacromolecules, 2015, 16, 2618-2623.	5.4	45
32	Injectable hydrogels from enzyme-catalyzed crosslinking as BMSCs-laden scaffold for bone repair and regeneration. Materials Science and Engineering C, 2019, 96, 841-849.	7.3	45
33	Multiple types of logic gates based on a single G-quadruplex DNA strand. Scientific Reports, 2014, 4, 7315.	3.3	44
34	Applications of nanomaterials for scavenging reactive oxygen species in the treatment of central nervous system diseases. Journal of Materials Chemistry B, 2020, 8, 8748-8767.	5.8	44
35	Aptamer-Based Erythrocyte-Derived Mimic Vesicles Loaded with siRNA and Doxorubicin for the Targeted Treatment of Multidrug-Resistant Tumors. ACS Applied Materials & Interfaces, 2019, 11, 45455-45466.	8.0	41
36	Porphyrin-based metalâ€“organic frameworks: protonation induced Q band absorption. Nanoscale, 2019, 11, 12250-12258.	5.6	41

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37	Peptide NGR Modified TiO2 Nanofiber Substrate for Circulating Tumor Cells Capture. Advanced Fiber Materials, 2020, 2, 186-193.	16.1	41
38	Multifunctional Nanofibers for Specific Purification and Release of CTCs. ACS Sensors, 2017, 2, 547-552.	7.8	40
39	Logic gates based on G-quadruplexes: principles and sensor applications. Mikrochimica Acta, 2016, 183, 21-34.	5.0	39
40	Natural Biointerface Based on Cancer Cell Membranes for Specific Capture and Release of Circulating Tumor Cells. ACS Applied Materials & Interfaces, 2020, 12, 20263-20270.	8.0	38
41	Dual-Stimuli-Responsive Multifunctional Gd₂Hf₂O₇ Nanoparticles for MRI-Guided Combined Chemo-/Photothermal-/Radiotherapy of Resistant Tumors. ACS Applied Materials & Interfaces, 2020, 12, 35928-35939.	8.0	37
42	A low-swelling and toughened adhesive hydrogel with anti-microbial and hemostatic capacities for wound healing. Journal of Materials Chemistry B, 2022, 10, 915-926.	5.8	36
43	In vitro selection of DNA aptamers for the development of fluorescent aptasensor for sarcosine detection. Sensors and Actuators B: Chemical, 2018, 276, 128-135.	7.8	34
44	Tannic Acid (TA)-Functionalized Magnetic Nanoparticles for EpCAM-Independent Circulating Tumor Cell (CTC) Isolation from Patients with Different Cancers. ACS Applied Materials & Interfaces, 2021, 13, 3694-3700.	8.0	34
45	Poly(glycerol) Used for Constructing Mixed Polymeric Micelles as T1 MRI Contrast Agent for Tumor-Targeted Imaging. Biomacromolecules, 2017, 18, 150-158.	5.4	33
46	A PLGA nanofiber microfluidic device for highly efficient isolation and release of different phenotypic circulating tumor cells based on dual aptamers. Journal of Materials Chemistry B, 2021, 9, 2212-2220.	5.8	33
47	The modulation effect of charge transfer on photoluminescence in metalâ€“organic frameworks. Nanoscale, 2021, 13, 4505-4511.	5.6	32
48	In vitro selection of DNA aptamers against renal cell carcinoma using living cell-SELEX. Talanta, 2017, 175, 235-242.	5.5	31
49	Active Manipulation of NIR Plasmonics: the Case of Cu_{2â€“x}Se through Electrochemistry. Journal of Physical Chemistry Letters, 2018, 9, 274-280.	4.6	29
50	Isolation of DNA aptamers targeting N-cadherin and high-efficiency capture of circulating tumor cells by using dual aptamers. Nanoscale, 2020, 12, 22574-22585.	5.6	29
51	Aptamer-based nanostructured interfaces for the detection and release of circulating tumor cells. Journal of Materials Chemistry B, 2020, 8, 3408-3422.	5.8	29
52	The development of a light-up red-emitting fluorescent probe based on a G-quadruplex specific cyanine dye. RSC Advances, 2016, 6, 70117-70123.	3.6	28
53	Photo-crosslinkable, bone marrow-derived mesenchymal stem cells-encapsulating hydrogel based on collagen for osteogenic differentiation. Colloids and Surfaces B: Biointerfaces, 2019, 174, 528-535.	5.0	28
54	Fabrication of aptamer modified TiO2 nanofibers for specific capture of circulating tumor cells. Colloids and Surfaces B: Biointerfaces, 2020, 191, 110985.	5.0	28

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55	Tannin-reinforced iron substituted hydroxyapatite nanorods functionalized collagen-based composite nanofibrous coating as a cell-instructive bone-implant interface scaffold. Chemical Engineering Journal, 2022, 438, 135611.	12.7	28
56	Self-assembled RNAi nanoflowers via rolling circle transcription for aptamer-targeted siRNA delivery. Journal of Materials Chemistry B, 2018, 6, 4638-4644.	5.8	27
57	Anti-PD-L1 DNA aptamer antagonizes the interaction of PD-1/PD-L1 with antitumor effect. Journal of Materials Chemistry B, 2021, 9, 746-756.	5.8	27
58	Injectable thioketal-containing hydrogel dressing accelerates skin wound healing with the incorporation of reactive oxygen species scavenging and growth factor release. Biomaterials Science, 2021, 10, 100-113.	5.4	27
59	Neutral red as a specific light-up fluorescent probe for i-motif DNA. Chemical Communications, 2016, 52, 14330-14333.	4.1	26
60	Label-free ratiometric DNA detection using two kinds of interaction-responsive emission dyes. Biosensors and Bioelectronics, 2017, 87, 320-324.	10.1	26
61	Synthesis of Au@MOF coreâ€“shell hybrids for enhanced photodynamic/photothermal therapy. Journal of Materials Chemistry B, 2021, 9, 6646-6657.	5.8	26
62	Functional Hyperbranched Polylysine as Potential Contrast Agent Probes for Magnetic Resonance Imaging. Biomacromolecules, 2016, 17, 2302-2308.	5.4	25
63	Label-free DNA-based biosensors using structure-selective light-up dyes. Analyst, The, 2016, 141, 6481-6489.	3.5	25
64	Dual-antibody Modified PLGA Nanofibers for Specïï¬€ Capture of Epithelial and Mesenchymal CTCs. Colloids and Surfaces B: Biointerfaces, 2019, 181, 143-148.	5.0	25
65	The isolation of a DNA aptamer to develop a fluorescent aptasensor for the thiamethoxam pesticide. Analyst, The, 2021, 146, 1986-1995.	3.5	25
66	Geometrical Confinement of Gadolinium Oxide Nanoparticles in Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 312 Td (glycol)/Arg T₁ Magnetic Resonance Imaging Contrast Agent. ACS Applied Materials & Interfaces, 2018, 10, 26099-26107.	8.0	24
67	Fabrication of an injectable BMSC-laden double network hydrogel based on silk fibroin/PEG for cartilage repair. Journal of Materials Chemistry B, 2020, 8, 5845-5848.	5.8	24
68	Dual signal amplification by an â€œon-commandâ€•pure DNA hydrogel encapsulating HRP for colorimetric detection of ochratoxin A. RSC Advances, 2016, 6, 114500-114504.	3.6	23
69	Selection and analysis of DNA aptamers to berberine to develop a label-free light-up fluorescent probe. New Journal of Chemistry, 2016, 40, 9768-9773.	2.8	23
70	Selection and characterization of dimethylindole red DNA aptamers for the development of light-up fluorescent probes. Talanta, 2017, 168, 217-221.	5.5	23
71	In vitro selection of ssDNA aptamers that can specifically recognize and differentiate riboflavin and its derivative FAD. Talanta, 2019, 204, 424-430.	5.5	23
72	Integrated Microfluidic Isolation of Aptamers Using Electrophoretic Oligonucleotide Manipulation. Scientific Reports, 2016, 6, 26139.	3.3	22

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73	Selection and characterization of thioflavin T aptamers for the development of light-up probes. Analytical Methods, 2016, 8, 8461-8465.	2.7	22
74	A highly Sensitive Turn-on Fluorescent Sensor for Ba2+ Based on G-Quadruplexes. Journal of Fluorescence, 2017, 27, 569-574.	2.5	22
75	Fast-forming BMSC-encapsulating hydrogels through bioorthogonal reaction for osteogenic differentiation. Biomaterials Science, 2018, 6, 2578-2581.	5.4	22
76	In Situ Forming Cellulose Nanofibril-Reinforced Hyaluronic Acid Hydrogel for Cartilage Regeneration. Biomacromolecules, 2021, 22, 5097-5107.	5.4	22
77	Bone Marrow-Derived Mesenchymal Stem Cells Encapsulated in Functionalized Gellan Gum/Collagen Hydrogel for Effective Vascularization. ACS Applied Bio Materials, 2018, 1, 1408-1415.	4.6	21
78	Biodegradable Nanoglobular Magnetic Resonance Imaging Contrast Agent Constructed with Hostâ€“Guest Self-Assembly for Tumor-Targeted Imaging. ACS Applied Materials & Interfaces, 2018, 10, 26906-26916.	8.0	21
79	Exploration of Catalytic Nucleic Acids on Porphyrin Metalation and Peroxidase Activity by in Vitro Selection of Aptamers for N-Methyl Mesoporphyrin IX. ACS Combinatorial Science, 2019, 21, 83-89.	3.8	21
80	Investigation and improvement of catalytic activity of G-quadruplex/hemin DNAzymes using designed terminal G-tetrads with deoxyadenosine caps. Chemical Science, 2020, 11, 6896-6906.	7.4	21
81	Recent progress in developing fluorescent probes for imaging cell metabolites. Biomedical Materials (Bristol), 2021, 16, 044108.	3.3	21
82	Slide-Ring Structure-Based Double-Network Hydrogel with Enhanced Stretchability and Toughness for 3D-Bio-Printing and Its Potential Application as Artificial Small-Diameter Blood Vessels. ACS Applied Bio Materials, 2021, 4, 8597-8606.	4.6	20
83	A hemin binding G-quadruplex/Pb²⁺ complex to construct a visible light activated photoelectrochemical sensor on a ZnO/BiOI heterostructure. Analytical Methods, 2015, 7, 9340-9346.	2.7	19
84	Hyperbranched poly(glycerol) as a T₁ contrast agent for tumor-targeted magnetic resonance imaging in vivo. Polymer Chemistry, 2017, 8, 1104-1113.	3.9	19
85	In Vitro Selection of a DNA Aptamer by Cell-SELEX as a Molecular Probe for Cervical Cancer Recognition and Imaging. Journal of Molecular Evolution, 2019, 87, 72-82.	1.8	19
86	Detecting the adulteration of antihypertensive health food using G-insertion enhanced fluorescent DNA-AgNCs. Sensors and Actuators B: Chemical, 2019, 281, 493-498.	7.8	19
87	Isolation of DNA Aptamer Targeting PD-1 with an Antitumor Immunotherapy Effect. ACS Applied Bio Materials, 2020, 3, 7080-7086.	4.6	19
88	An AuNPs-functionalized AlGaN/GaN high electron mobility transistor sensor for ultrasensitive detection of TNT. RSC Advances, 2015, 5, 98724-98729.	3.6	18
89	The light-up fluorescence of AgNCs in a â€œDNA bulbâ€: Nanoscale, 2018, 10, 11517-11523.	5.6	18
90	In Vitro Selection of DNA Aptamers for a Small-Molecule Porphyrin by Gold Nanoparticle-Based SELEX. Journal of Molecular Evolution, 2019, 87, 231-239.	1.8	18

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91	Antifouling hydrogel-coated magnetic nanoparticles for selective isolation and recovery of circulating tumor cells. Journal of Materials Chemistry B, 2021, 9, 677-682.	5.8	18
92	Quinaldine red as a fluorescent light-up probe for i-motif structures. Analytical Methods, 2017, 9, 1585-1588.	2.7	17
93	Selection and characterization of a DNA aptamer to crystal violet. Photochemical and Photobiological Sciences, 2018, 17, 800-806.	2.9	17
94	Tumor Acid Microenvironment-Triggered Self-Assembly of ESIONPs for T₁/T₂ Switchable Magnetic Resonance Imaging. ACS Applied Bio Materials, 2020, 3, 7752-7761.	4.6	17
95	Progress in the isolation of aptamers to light-up the dyes and the applications. Analyst, The, 2020, 145, 701-718.	3.5	16
96	An in situ gelling BMSC-laden collagen/silk fibroin double network hydrogel for cartilage regeneration. Materials Advances, 0, , .	5.4	16
97	Thiazole Orange as a Fluorescent Lightâ€Up Probe for the iâ€Motif and its Application to the Development of a Molecular Logic System. Asian Journal of Organic Chemistry, 2015, 4, 1375-1378.	2.7	15
98	Three-way junction-promoted recycling amplification for sensitive DNA detection using highly bright DNA-silver nanocluster as label-free output. Talanta, 2020, 206, 120216.	5.5	15
99	Synergistic regulation of longitudinal and transverse relaxivity of extremely small iron oxide nanoparticles (ESIONPs) using pH-responsive nanoassemblies. Nanoscale, 2020, 12, 17502-17516.	5.6	15
100	Tumor Microenvironment-Responsive and Catalytic Cascade-Enhanced Nanocomposite for Tumor Thermal Ablation Synergizing with Chemodynamic and Chemotherapy. ACS Applied Bio Materials, 2020, 3, 3880-3893.	4.6	15
101	Coupling Lipid Labeling and Click Chemistry Enables Isolation of Extracellular Vesicles for Noninvasive Detection of Oncogenic Gene Alterations. Advanced Science, 2022, 9, e2105853.	11.2	15
102	Preparation of linear poly(glycerol) as a T₁ contrast agent for tumor-targeted magnetic resonance imaging. Journal of Materials Chemistry B, 2016, 4, 6716-6725.	5.8	14
103	Integrated Microfluidic Selex Using Free Solution Electrokinetics. Journal of the Electrochemical Society, 2017, 164, B3122-B3129.	2.9	14
104	Fast Detection of Bismerthiazol in Cabbage Based on Fluorescence Quenching of Protein-Capping Gold Nanoclusters. Analytical Sciences, 2018, 34, 415-419.	1.6	14
105	Development of an Aptamer-Conjugated Polyrotaxane-Based Biodegradable Magnetic Resonance Contrast Agent for Tumor-Targeted Imaging. ACS Applied Bio Materials, 2019, 2, 406-416.	4.6	14
106	Folic acid-modified fluorescent dye-protein nanoparticles for the targeted tumor cell imaging. Talanta, 2019, 194, 643-648.	5.5	13
107	Engineered Fe₃O₄-based nanomaterials for diagnosis and therapy of cancer. New Journal of Chemistry, 2021, 45, 7918-7941.	2.8	13
108	Redox-triggered aggregation of ESIONPs with switchable T₁ to T₂ contrast effect for T₂-weighted magnetic resonance imaging. Journal of Materials Chemistry B, 2021, 9, 1821-1832.	5.8	13

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109	Building a chimera of aptamerâ€“antisense oligonucleotide for silencing galectin-1 gene. RSC Advances, 2016, 6, 112445-112450.	3.6	12
110	An Integrated Microfluidic SELEX Approach Using Combined Electrokinetic and Hydrodynamic Manipulation. SLAS Technology, 2017, 22, 63-72.	1.9	12
111	Necessities, opportunities, and challenges for tympanic membrane perforation scaffolding-based bioengineering. Biomedical Materials (Bristol), 2021, 16, 032004.	3.3	12
112	Circulating tumor cells in colorectal cancer in the era of precision medicine. Journal of Molecular Medicine, 2022, 100, 197-213.	3.9	12
113	Folic Acid-Modified Fluorescent-Magnetic Nanoparticles for Efficient Isolation and Identification of Circulating Tumor Cells in Ovarian Cancer. Biosensors, 2022, 12, 184.	4.7	12
114	A poly(Îµ-caprolactone)â€“poly(glycerol)â€“poly(Îµ-caprolactone) triblock copolymer for designing a polymeric micelle as a tumor targeted magnetic resonance imaging contrast agent. Journal of Materials Chemistry B, 2017, 5, 8408-8416.	5.8	11
115	Aptamerâ€integrated Î±â€Gal liposomes as bispecific agents to trigger immune response for killing tumor cells. Journal of Biomedical Materials Research - Part A, 2019, 107, 1176-1183.	4.0	11
116	Fabrication of injectable hydrogelsviabio-orthogonal chemistry for tissue engineering. New Journal of Chemistry, 2020, 44, 11420-11432.	2.8	11
117	DNA-Hairpin-Templated Silver Nanoclusters: A Study on Stem Sequence. Journal of Physical Chemistry B, 2020, 124, 1592-1601.	2.6	11
118	Multifaceted tannin crosslinked bioinspired dECM decorated nanofibers modulating cellâ€“scaffold biointerface for tympanic membrane perforation bioengineering. Biomedical Materials (Bristol), 2022, 17, 034102.	3.3	11
119	Spatially selective release of aptamerâ€captured cells by temperature mediation. IET Nanobiotechnology, 2014, 8, 2-9.	3.8	10
120	Quantification of Zn(<scp>ii</scp>) using a label-free sensor based on graphene oxide and G-quadruplex. Analytical Methods, 2015, 7, 9615-9618.	2.7	10
121	Oligoethylenimine grafted PEGylated poly(aspartic acid) as a macromolecular contrast agent: properties and in vivo studies. Journal of Materials Chemistry B, 2016, 4, 3324-3330.	5.8	10
122	Improved Stability, Antitumor Effect, and Controlled Release of Recombinant Soluble TRAIL by Combining Genetic Engineering with Coaxial Electrospinning. ACS Applied Bio Materials, 2019, 2, 2414-2420.	4.6	10
123	Discovery and characterization of circulating tumor cell clusters in neuroendocrine tumor patients using nanosubstrate-embedded microchips. Biosensors and Bioelectronics, 2022, 199, 113854.	10.1	10
124	The Study of the Interaction between Doxorubicin and Singleâ€Stranded DNA. ChemistrySelect, 2016, 1, 3823-3828.	1.5	9
125	Luminescence sensitization of Tb 3+ -DNA complexes by Ag +. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 180, 85-90.	3.9	9
126	Gd2O3 and GH combined with red blood cells to improve the sensitivity of contrast agents for cancer targeting MR imaging. Biomaterials Science, 2017, 5, 46-49.	5.4	9

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127	Aptamer-Targeted Magnetic Resonance Imaging Contrast Agents and Their Applications. Journal of Nanoscience and Nanotechnology, 2018, 18, 3759-3774.	0.9	9
128	PEGylated chitosan grafted with polyamidoamine-dendron as tumor-targeted magnetic resonance imaging contrast agent. New Journal of Chemistry, 2017, 41, 7689-7696.	2.8	8
129	Ni-Nitrilotriacetic Acid Affinity SELEX Method for Selection of DNA Aptamers Specific to the N-Cadherin Protein. ACS Combinatorial Science, 2020, 22, 867-872.	3.8	8
130	Acid-facilitated G-quadruplex/hemin DNAzymes: accompanied by the assembly of quadruplex supramolecules. Chemical Communications, 2020, 56, 8667-8670.	4.1	8
131	Selective capture of circulating tumor cells by antifouling nanostructure substrate made of hydrogel nanoparticles. Colloids and Surfaces B: Biointerfaces, 2021, 202, 111669.	5.0	8
132	Circulating Tumor Cellâ€“Based Messenger RNA Scoring System for Prognostication of Hepatocellular Carcinoma: Translating Tissueâ€Based Messenger RNA Profiling Into a Noninvasive Setting. Liver Transplantation, 2022, 28, 200-214.	2.4	8
133	Aptamer-functionalized targeted siRNA delivery system for tumor immunotherapy. Biomedical Materials (Bristol), 2022, 17, 024108.	3.3	8
134	Isolation of thermally sensitive protein-binding oligonucleotides on a microchip. Microfluidics and Nanofluidics, 2015, 19, 795-804.	2.2	7
135	DNA Triplexesâ€Guided Assembly of Gâ€Quadruplexes for Constructing Labelâ€free Fluorescent Logic Gates. Chemistry - an Asian Journal, 2016, 11, 1892-1895.	3.3	7
136	DNA sequence-dependent fluorescence of doxorubicin for turn-on detection of biothiols in human serum. Analytical and Bioanalytical Chemistry, 2016, 408, 683-693.	3.7	7
137	Facile Synthesis of Water-Dispersed Photoluminescent Gold(I)-Alkanethiolate Nanoparticles via Aggregation-Induced Emission and Their Application in Cell Imaging. ACS Applied Nano Materials, 2018, 1, 6641-6648.	5.0	7
138	Scaffold-free and scaffold-based cellular strategies and opportunities for cornea tissue engineering. Progress in Biomedical Engineering, 2021, 3, 032003.	4.9	7
139	Construction of a Silk Fibroin/Polyethylene Glycol Double Network Hydrogel with Co-Culture of HUVECs and UCMSCs for a Functional Vascular Network. ACS Applied Bio Materials, 2021, 4, 406-419.	4.6	7
140	Gadolinium(III)-based Polymeric Magnetic Resonance Imaging Agents for Tumor Imaging. Current Medicinal Chemistry, 2018, 25, 2910-2937.	2.4	7
141	Inorganic nanomaterial-reinforced hydrogel membrane as an artificial periosteum. Applied Materials Today, 2022, 28, 101532.	4.3	7
142	Electrospun nanofibrous membrane functionalized with dual drug-cyclodextrin inclusion complexes for the potential treatment of otitis externa. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 651, 129742.	4.7	7
143	Phosphorylation triggered poly-nanoparticle assembly for naked-eye distinguishable T4 polynucleotide kinase detection. RSC Advances, 2014, 4, 56731-56735.	3.6	6
144	Oligoethylenimineâ€grafted chitosan as enhanced T₁ contrast agent for in vivo targeted tumor MRI. Journal of Magnetic Resonance Imaging, 2016, 44, 23-29.	3.4	6

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145	Biocleavable Oligolysine-Grafted Poly(disulfide amine)s as Magnetic Resonance Imaging Probes. Bioconjugate Chemistry, 2016, 27, 151-158.	3.6	6
146	Design and Synthesis of a Dimethylindole Red Trimer: A New Lightâ€Up Redâ€Emitting Fluorescent Probe for Gâ€Quadruplexes. ChemistrySelect, 2017, 2, 2783-2788.	1.5	6
147	Bone Marrow Mesenchymal Stem Cells Encapsulated in a Hydrogel System via Bioorthogonal Chemistry for Liver Regeneration. ACS Applied Bio Materials, 2019, 2, 2444-2452.	4.6	6
148	A folic acid modified polystyrene nanosphere surface for circulating tumor cell capture. Analytical Methods, 2019, 11, 5718-5723.	2.7	6
149	Multi-arm star-branched polymer as an efficient contrast agent for tumor-targeted magnetic resonance imaging. Journal of Materials Chemistry B, 2017, 5, 5001-5008.	5.8	6
150	Amplified Peroxidaseâ€like Activity of Co²⁺ Using 8â€Hydroxyquinoline and Its Application for Ultrasensitive Colorimetric Detection of Clioquinol. Chemistry - an Asian Journal, 2021, 16, 3957-3962.	3.3	6
151	Exploring the catalytic mechanism of multivalent G-quadruplex/hemin DNAzymes by modulating the position and spatial orientation of connected G-quadruplexes. Analytica Chimica Acta, 2022, 1221, 340105.	5.4	6
152	A photoelectrochemical sensor through quenching of photoinduced electrons based on a G-quadruplex/hemin complex. Analytical Methods, 2015, 7, 3697-3700.	2.7	5
153	Regulation of MAP4K4 gene expression by RNA interference through an engineered theophylline-dependent hepatitis delta virus ribozyme switch. Molecular BioSystems, 2016, 12, 3370-3376.	2.9	5
154	Construction of One- and Two-Dimensional Nanostructures by the Sequential Assembly of Quadruplex DNA Scaffolds. Biomacromolecules, 2019, 20, 2207-2217.	5.4	5
155	Inducible Bcl-2 gene RNA interference mediated by aptamer-integrated HDV ribozyme switch. Integrative Biology (United Kingdom), 2017, 9, 619-626.	1.3	4
156	Self-Assembled saRNA Delivery System Based on Rolling Circle Transcription for Aptamer-Targeting Cancer Therapy. ACS Applied Bio Materials, 2019, 2, 4737-4746.	4.6	4
157	Covalent Chemistryâ€Mediated Multimarker Purification of Circulating Tumor Cells Enables Noninvasive Detection of Molecular Signatures of Hepatocellular Carcinoma. Advanced Materials Technologies, 2021, 6, 2001056.	5.8	4
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159	Selection of CD133-targeted DNA aptamers for the efficient and specific therapy of colorectal cancer. Journal of Materials Chemistry B, 2022, 10, 2057-2066.	5.8	4
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