

Hui Cheng

List of Publications by Year in descending order

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171
papers

4,736
citations

87888

38
h-index

149698

56
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173
all docs

173
docs citations

173
times ranked

5469
citing authors

#	ARTICLE	IF	CITATIONS
1	Circulating Tumor Cellâ€Based Messenger RNA Scoring System for Prognostication of Hepatocellular Carcinoma: Translating Tissueâ€Based Messenger RNA Profiling Into a Noninvasive Setting. <i>Liver Transplantation</i> , 2022, 28, 200-214.	2.4	8
2	Circulating tumor cells in colorectal cancer in the era of precision medicine. <i>Journal of Molecular Medicine</i> , 2022, 100, 197-213.	3.9	12
3	Accelerating the peroxidase-like activity of Co ²⁺ by quinaldic acid: Mechanism and its analytical applications. <i>Talanta</i> , 2022, 239, 123080.	5.5	2
4	Discovery and characterization of circulating tumor cell clusters in neuroendocrine tumor patients using nanosubstrate-embedded microchips. <i>Biosensors and Bioelectronics</i> , 2022, 199, 113854.	10.1	10
5	MXeneâ€laden bacteriophage: A new antibacterial candidate to control bacterial contamination in water. <i>Chemosphere</i> , 2022, 290, 133383.	8.2	55
6	A low-swelling and toughened adhesive hydrogel with anti-microbial and hemostatic capacities for wound healing. <i>Journal of Materials Chemistry B</i> , 2022, 10, 915-926.	5.8	36
7	Aptamer-functionalized targeted siRNA delivery system for tumor immunotherapy. <i>Biomedical Materials (Bristol)</i> , 2022, , .	3.3	3
8	Rapid screening of aptamers for fluorescent targets by integrated digital PCR and flow cytometry. <i>Talanta</i> , 2022, 242, 123302.	5.5	4
9	Development of Metal-Organic Framework-Based Dual Antibody Nanoparticles for the Highly Specific Capture and Gradual Release of Circulating Tumor Cells. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 806238.	4.1	0
10	Aptamer-functionalized targeted siRNA delivery system for tumor immunotherapy. <i>Biomedical Materials (Bristol)</i> , 2022, 17, 024108.	3.3	8
11	Selection of Aptamer for N-Methyl Mesoporphyrin IX to Develop Porphyrin Metalation DNAzyme. <i>Methods in Molecular Biology</i> , 2022, 2439, 15-26.	0.9	0
12	Selection of CD133-targeted DNA aptamers for the efficient and specific therapy of colorectal cancer. <i>Journal of Materials Chemistry B</i> , 2022, 10, 2057-2066.	5.8	4
13	A Protocol for Gold Nanoparticle-Assisted Aptamer Selection for a Small Molecule Porphyrin to Develop DNAzyme. <i>Methods in Molecular Biology</i> , 2022, 2439, 3-13.	0.9	0
14	Folic Acid-Modified Fluorescent-Magnetic Nanoparticles for Efficient Isolation and Identification of Circulating Tumor Cells in Ovarian Cancer. <i>Biosensors</i> , 2022, 12, 184.	4.7	12
15	Coupling Lipid Labeling and Click Chemistry Enables Isolation of Extracellular Vesicles for Noninvasive Detection of Oncogenic Gene Alterations. <i>Advanced Science</i> , 2022, 9, e2105853.	11.2	15
16	Multifaceted tannin crosslinked bioinspired dECM decorated nanofibers modulating cellâ€scaffold biointerface for tympanic membrane perforation bioengineering. <i>Biomedical Materials (Bristol)</i> , 2022, 17, 034102.	3.3	11
17	Tannin-reinforced iron substituted hydroxyapatite nanorods functionalized collagen-based composite nanofibrous coating as a cell-instructive bone-implant interface scaffold. <i>Chemical Engineering Journal</i> , 2022, 438, 135611.	12.7	28
18	Inorganic nanomaterial-reinforced hydrogel membrane as an artificial periosteum. <i>Applied Materials Today</i> , 2022, 28, 101532.	4.3	7

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19	Exploring the catalytic mechanism of multivalent G-quadruplex/hemin DNAzymes by modulating the position and spatial orientation of connected G-quadruplexes. <i>Analytica Chimica Acta</i> , 2022, 1221, 340105.	5.4	6
20	Electrospun nanofibrous membrane functionalized with dual drug-cyclodextrin inclusion complexes for the potential treatment of otitis externa. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 651, 129742.	4.7	7
21	Anti-PD-L1 DNA aptamer antagonizes the interaction of PD-1/PD-L1 with antitumor effect. <i>Journal of Materials Chemistry B</i> , 2021, 9, 746-756.	5.8	27
22	Antifouling hydrogel-coated magnetic nanoparticles for selective isolation and recovery of circulating tumor cells. <i>Journal of Materials Chemistry B</i> , 2021, 9, 677-682.	5.8	18
23	The modulation effect of charge transfer on photoluminescence in metal-organic frameworks. <i>Nanoscale</i> , 2021, 13, 4505-4511.	5.6	32
24	Tannic Acid (TA)-Functionalized Magnetic Nanoparticles for EpCAM-Independent Circulating Tumor Cell (CTC) Isolation from Patients with Different Cancers. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3694-3700.	8.0	34
25	Engineered Fe ₃ O ₄ -based nanomaterials for diagnosis and therapy of cancer. <i>New Journal of Chemistry</i> , 2021, 45, 7918-7941.	2.8	13
26	Synthesis of Au@MOF core-shell hybrids for enhanced photodynamic/photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 6646-6657.	5.8	26
27	Redox-triggered aggregation of ESIONPs with switchable <i>T</i> ₁ to <i>T</i> ₂ contrast effect for <i>T</i> ₂ -weighted magnetic resonance imaging. <i>Journal of Materials Chemistry B</i> , 2021, 9, 1821-1832.	5.8	13
28	Necessities, opportunities, and challenges for tympanic membrane perforation scaffolding-based bioengineering. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 032004.	3.3	12
29	NIR-laser-triggered gadolinium-doped carbon dots for magnetic resonance imaging, drug delivery and combined photothermal chemotherapy for triple negative breast cancer. <i>Journal of Nanobiotechnology</i> , 2021, 19, 64.	9.1	46
30	Covalent Chemistry-Mediated Multimarker Purification of Circulating Tumor Cells Enables Noninvasive Detection of Molecular Signatures of Hepatocellular Carcinoma. <i>Advanced Materials Technologies</i> , 2021, 6, 2001056.	5.8	4
31	Recent progress in developing fluorescent probes for imaging cell metabolites. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 044108.	3.3	21
32	Selective capture of circulating tumor cells by antifouling nanostructure substrate made of hydrogel nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 202, 111669.	5.0	8
33	Aptamer-Targeted Photodynamic Platforms for Tumor Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 27749-27773.	8.0	52
34	Scaffold-free and scaffold-based cellular strategies and opportunities for cornea tissue engineering. <i>Progress in Biomedical Engineering</i> , 2021, 3, 032003.	4.9	7
35	The isolation of a DNA aptamer to develop a fluorescent aptasensor for the thiamethoxam pesticide. <i>Analyst</i> , 2021, 146, 1986-1995.	3.5	25
36	A PLGA nanofiber microfluidic device for highly efficient isolation and release of different phenotypic circulating tumor cells based on dual aptamers. <i>Journal of Materials Chemistry B</i> , 2021, 9, 2212-2220.	5.8	33

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37	Construction of a Silk Fibroin/Polyethylene Glycol Double Network Hydrogel with Co-Culture of HUVECs and UCMSCs for a Functional Vascular Network. <i>ACS Applied Bio Materials</i> , 2021, 4, 406-419.	4.6	7
38	Manipulating the Assembly of DNA Nanostructures and Their Enzymatic Properties by Incorporating a 5â€™-5â€™ Polarity of Inversion Site in the G-Tract. <i>ACS Macro Letters</i> , 2021, 10, 1359-1364.	4.8	1
39	Amplified Peroxidase-like Activity of Co ²⁺ Using 8-Hydroxyquinoline and Its Application for Ultrasensitive Colorimetric Detection of Cloiquinol. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3957-3962.	3.3	6
40	<i>In Situ</i> Forming Cellulose Nanofibril-Reinforced Hyaluronic Acid Hydrogel for Cartilage Regeneration. <i>Biomacromolecules</i> , 2021, 22, 5097-5107.	5.4	22
41	Injectable thioketal-containing hydrogel dressing accelerates skin wound healing with the incorporation of reactive oxygen species scavenging and growth factor release. <i>Biomaterials Science</i> , 2021, 10, 100-113.	5.4	27
42	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. <i>ACS Applied Bio Materials</i> , 2021, 4, 8597-8606.	4.6	20
43	Three-way junction-promoted recycling amplification for sensitive DNA detection using highly bright DNA-silver nanocluster as label-free output. <i>Talanta</i> , 2020, 206, 120216.	5.5	15
44	A photo-regulated aptamer sensor for spatiotemporally controlled monitoring of ATP in the mitochondria of living cells. <i>Chemical Science</i> , 2020, 11, 713-720.	7.4	65
45	Progress in the isolation of aptamers to light-up the dyes and the applications. <i>Analyst</i> , The, 2020, 145, 701-718.	3.5	16
46	Isolation of DNA aptamers targeting N-cadherin and high-efficiency capture of circulating tumor cells by using dual aptamers. <i>Nanoscale</i> , 2020, 12, 22574-22585.	5.6	29
47	Isolation of DNA Aptamer Targeting PD-1 with an Antitumor Immunotherapy Effect. <i>ACS Applied Bio Materials</i> , 2020, 3, 7080-7086.	4.6	19
48	Dual-Stimuli-Responsive Multifunctional Gd ₂ Hf ₂ O ₇ Nanoparticles for MRI-Guided Combined Chemo-/Photothermal-/Radiotherapy of Resistant Tumors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35928-35939.	8.0	37
49	Synergistic regulation of longitudinal and transverse relaxivity of extremely small iron oxide nanoparticles (ESIONPs) using pH-responsive nanoassemblies. <i>Nanoscale</i> , 2020, 12, 17502-17516.	5.6	15
50	Applications of nanomaterials for scavenging reactive oxygen species in the treatment of central nervous system diseases. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8748-8767.	5.8	44
51	Recent Progress of Highly Adhesive Hydrogels as Wound Dressings. <i>Biomacromolecules</i> , 2020, 21, 3966-3983.	5.4	127
52	Ligand Selectivity by Inserting GCGC-Tetrads into G-Quadruplex Structures. <i>Chemistry - A European Journal</i> , 2020, 26, 14730-14737.	3.3	3
53	Purification of HCC-specific extracellular vesicles on nanosubstrates for early HCC detection by digital scoring. <i>Nature Communications</i> , 2020, 11, 4489.	12.8	134
54	Ni-Nitrilotriacetic Acid Affinity SELEX Method for Selection of DNA Aptamers Specific to the N-Cadherin Protein. <i>ACS Combinatorial Science</i> , 2020, 22, 867-872.	3.8	8

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55	Tumor Microenvironment-Responsive and Catalytic Cascade-Enhanced Nanocomposite for Tumor Thermal Ablation Synergizing with Chemodynamic and Chemotherapy. <i>ACS Applied Bio Materials</i> , 2020, 3, 3880-3893.	4.6	15
56	Metal-Organic Frameworks with Enhanced Photodynamic Therapy: Synthesis, Erythrocyte Membrane Camouflage, and Aptamer-Targeted Aggregation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 23697-23706.	8.0	101
57	Micron-Sized Ultrathin Metal-Organic Framework Sheet. <i>Journal of the American Chemical Society</i> , 2020, 142, 10331-10336.	13.7	136
58	Extremely Small Iron Oxide Nanoparticle-Encapsulated Nanogels as a Glutathione-Responsive Contrast Agent for Tumor-Targeted Magnetic Resonance Imaging. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 26973-26981.	8.0	47
59	Fabrication of an injectable BMSC-laden double network hydrogel based on silk fibroin/PEG for cartilage repair. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5845-5848.	5.8	24
60	Fabrication of injectable hydrogels via bio-orthogonal chemistry for tissue engineering. <i>New Journal of Chemistry</i> , 2020, 44, 11420-11432.	2.8	11
61	Investigation and improvement of catalytic activity of G-quadruplex/hemin DNAzymes using designed terminal G-tetrads with deoxyadenosine caps. <i>Chemical Science</i> , 2020, 11, 6896-6906.	7.4	21
62	Peptide NGR Modified TiO ₂ Nanofiber Substrate for Circulating Tumor Cells Capture. <i>Advanced Fiber Materials</i> , 2020, 2, 186-193.	16.1	41
63	Acid-facilitated G-quadruplex/hemin DNAzymes: accompanied by the assembly of quadruplex supramolecules. <i>Chemical Communications</i> , 2020, 56, 8667-8670.	4.1	8
64	Nanocomposite hydrogels for tissue engineering applications. <i>Nanoscale</i> , 2020, 12, 14976-14995.	5.6	168
65	3D Bioprinting of Bone Marrow Mesenchymal Stem Cell-Laden Silk Fibroin Double Network Scaffolds for Cartilage Tissue Repair. <i>Bioconjugate Chemistry</i> , 2020, 31, 1938-1947.	3.6	59
66	DNA-Hairpin-Templated Silver Nanoclusters: A Study on Stem Sequence. <i>Journal of Physical Chemistry B</i> , 2020, 124, 1592-1601.	2.6	11
67	Aptamer-based nanostructured interfaces for the detection and release of circulating tumor cells. <i>Journal of Materials Chemistry B</i> , 2020, 8, 3408-3422.	5.8	29
68	Fabrication of aptamer modified TiO ₂ nanofibers for specific capture of circulating tumor cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 191, 110985.	5.0	28
69	An injectable BMSC-laden enzyme-catalyzed crosslinking collagen-hyaluronic acid hydrogel for cartilage repair and regeneration. <i>Journal of Materials Chemistry B</i> , 2020, 8, 4237-4244.	5.8	50
70	Natural Biointerface Based on Cancer Cell Membranes for Specific Capture and Release of Circulating Tumor Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20263-20270.	8.0	38
71	Tumor Acid Microenvironment-Triggered Self-Assembly of ESIONPs for T ₁ /T ₂ Switchable Magnetic Resonance Imaging. <i>ACS Applied Bio Materials</i> , 2020, 3, 7752-7761.	4.6	17
72	In Vitro Selection of DNA Aptamers for a Small-Molecule Porphyrin by Gold Nanoparticle-Based SELEX. <i>Journal of Molecular Evolution</i> , 2019, 87, 231-239.	1.8	18

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73	Aptamer-Based Erythrocyte-Derived Mimic Vesicles Loaded with siRNA and Doxorubicin for the Targeted Treatment of Multidrug-Resistant Tumors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45455-45466.	8.0	41
74	High-Efficiency Isolation and Rapid Identification of Heterogeneous Circulating Tumor Cells (CTCs) Using Dual-Antibody-Modified Fluorescent-Magnetic Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 39586-39593.	8.0	68
75	In Vitro Selection of a DNA Aptamer by Cell-SELEX as a Molecular Probe for Cervical Cancer Recognition and Imaging. <i>Journal of Molecular Evolution</i> , 2019, 87, 72-82.	1.8	19
76	Osteogenic differentiation of BMSCs in collagen-based 3D scaffolds. <i>New Journal of Chemistry</i> , 2019, 43, 1980-1986.	2.8	1
77	In vitro selection of ssDNA aptamers that can specifically recognize and differentiate riboflavin and its derivative FAD. <i>Talanta</i> , 2019, 204, 424-430.	5.5	23
78	Dual-antibody Modified PLGA Nanofibers for Specific Capture of Epithelial and Mesenchymal CTCs. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 143-148.	5.0	25
79	Porphyrin-based metal-organic frameworks: protonation induced Q band absorption. <i>Nanoscale</i> , 2019, 11, 12250-12258.	5.6	41
80	Improved Stability, Antitumor Effect, and Controlled Release of Recombinant Soluble TRAIL by Combining Genetic Engineering with Coaxial Electrospinning. <i>ACS Applied Bio Materials</i> , 2019, 2, 2414-2420.	4.6	10
81	Bone Marrow Mesenchymal Stem Cells Encapsulated in a Hydrogel System via Bioorthogonal Chemistry for Liver Regeneration. <i>ACS Applied Bio Materials</i> , 2019, 2, 2444-2452.	4.6	6
82	Construction of One- and Two-Dimensional Nanostructures by the Sequential Assembly of Quadruplex DNA Scaffolds. <i>Biomacromolecules</i> , 2019, 20, 2207-2217.	5.4	5
83	Self-Assembled saRNA Delivery System Based on Rolling Circle Transcription for Aptamer-Targeting Cancer Therapy. <i>ACS Applied Bio Materials</i> , 2019, 2, 4737-4746.	4.6	4
84	A folic acid modified polystyrene nanosphere surface for circulating tumor cell capture. <i>Analytical Methods</i> , 2019, 11, 5718-5723.	2.7	6
85	Development of an Aptamer-Conjugated Polyrotaxane-Based Biodegradable Magnetic Resonance Contrast Agent for Tumor-Targeted Imaging. <i>ACS Applied Bio Materials</i> , 2019, 2, 406-416.	4.6	14
86	Exploration of Catalytic Nucleic Acids on Porphyrin Metalation and Peroxidase Activity by in Vitro Selection of Aptamers for N-Methyl Mesoporphyrin IX. <i>ACS Combinatorial Science</i> , 2019, 21, 83-89.	3.8	21
87	Photo-crosslinkable, bone marrow-derived mesenchymal stem cells-encapsulating hydrogel based on collagen for osteogenic differentiation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 174, 528-535.	5.0	28
88	Aptamer-Integrated Liposomes as Bispecific Agents to Trigger Immune Response for Killing Tumor Cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 1176-1183.	4.0	11
89	Detecting the Adulteration of Antihypertensive Health Food Using G-Insertion Enhanced Fluorescent DNA-AgNCs. <i>Sensors and Actuators B: Chemical</i> , 2019, 281, 493-498.	7.8	19
90	Folic acid-modified fluorescent dye-protein nanoparticles for the targeted tumor cell imaging. <i>Talanta</i> , 2019, 194, 643-648.	5.5	13

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91	Injectable hydrogels from enzyme-catalyzed crosslinking as BMSCs-laden scaffold for bone repair and regeneration. <i>Materials Science and Engineering C</i> , 2019, 96, 841-849.	7.3	45
92	Fast Detection of Bismethiazol in Cabbage Based on Fluorescence Quenching of Protein-Capping Gold Nanoclusters. <i>Analytical Sciences</i> , 2018, 34, 415-419.	1.6	14
93	Active Manipulation of NIR Plasmonics: the Case of Cu ₂ Se through Electrochemistry. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 274-280.	4.6	29
94	Selection and characterization of a DNA aptamer to crystal violet. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 800-806.	2.9	17
95	Selection of DNA aptamers for the development of light-up biosensor to detect Pb(II). <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 214-221.	7.8	49
96	High-purity capture of CTCs based on micro-beads enhanced isolation by size of epithelial tumor cells (ISET) method. <i>Biosensors and Bioelectronics</i> , 2018, 102, 157-163.	10.1	74
97	Facile Synthesis of Water-Dispersed Photoluminescent Gold(I)-Alkanethiolate Nanoparticles via Aggregation-Induced Emission and Their Application in Cell Imaging. <i>ACS Applied Nano Materials</i> , 2018, 1, 6641-6648.	5.0	7
98	Synthesis of Metal-Organic Framework Nanosheets with High Relaxation Rate and Singlet Oxygen Yield. <i>Chemistry of Materials</i> , 2018, 30, 7511-7520.	6.7	75
99	Bone Marrow-Derived Mesenchymal Stem Cells Encapsulated in Functionalized Gellan Gum/Collagen Hydrogel for Effective Vascularization. <i>ACS Applied Bio Materials</i> , 2018, 1, 1408-1415.	4.6	21
100	A graphene aptasensor for biomarker detection in human serum. <i>Electrochimica Acta</i> , 2018, 290, 356-363.	5.2	46
101	The light-up fluorescence of AgNCs in a DNA bulb. <i>Nanoscale</i> , 2018, 10, 11517-11523.	5.6	18
102	Biodegradable Nanoglobular Magnetic Resonance Imaging Contrast Agent Constructed with Host-Guest Self-Assembly for Tumor-Targeted Imaging. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 26906-26916.	8.0	21
103	Geometrical Confinement of Gadolinium Oxide Nanoparticles in Poly(ethylene) Terephthalate Membrane for Magnetic Resonance Imaging Contrast Agent. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 26099-26107.	8.0	24
104	Fast-forming BMSC-encapsulating hydrogels through bioorthogonal reaction for osteogenic differentiation. <i>Biomaterials Science</i> , 2018, 6, 2578-2581.	5.4	22
105	In vitro selection of DNA aptamers for the development of fluorescent aptasensor for sarcosine detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 276, 128-135.	7.8	34
106	Self-assembled RNAi nanoflowers via rolling circle transcription for aptamer-targeted siRNA delivery. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4638-4644.	5.8	27
107	Aptamer-Targeted Magnetic Resonance Imaging Contrast Agents and Their Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 3759-3774.	0.9	9
108	Gadolinium(III)-based Polymeric Magnetic Resonance Imaging Agents for Tumor Imaging. <i>Current Medicinal Chemistry</i> , 2018, 25, 2910-2937.	2.4	7

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109	Quinaldine red as a fluorescent light-up probe for i-motif structures. <i>Analytical Methods</i> , 2017, 9, 1585-1588.	2.7	17
110	Engineering of Thiamine Pyrophosphate Fluorescent Biosensors Based on Ribozyme Switches in Mammalian Cells. <i>Chinese Journal of Analytical Chemistry</i> , 2017, 45, 157-162.	1.7	2
111	Luminescence sensitization of Tb ³⁺ -DNA complexes by Ag ⁺ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 180, 85-90.	3.9	9
112	Inducible Bcl-2 gene RNA interference mediated by aptamer-integrated HDV ribozyme switch. <i>Integrative Biology (United Kingdom)</i> , 2017, 9, 619-626.	1.3	4
113	PEGylated chitosan grafted with polyamidoamine-dendron as tumor-targeted magnetic resonance imaging contrast agent. <i>New Journal of Chemistry</i> , 2017, 41, 7689-7696.	2.8	8
114	Integrated Microfluidic Selex Using Free Solution Electrokinetics. <i>Journal of the Electrochemical Society</i> , 2017, 164, B3122-B3129.	2.9	14
115	Gadolinium-based nanoscale MRI contrast agents for tumor imaging. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3431-3461.	5.8	92
116	Selection and characterization of dimethylindole red DNA aptamers for the development of light-up fluorescent probes. <i>Talanta</i> , 2017, 168, 217-221.	5.5	23
117	Multifunctional Nanofibers for Specific Purification and Release of CTCs. <i>ACS Sensors</i> , 2017, 2, 547-552.	7.8	40
118	Design and Synthesis of a Dimethylindole Red Trimer: A New Light-Emitting Fluorescent Probe for G-Quadruplexes. <i>ChemistrySelect</i> , 2017, 2, 2783-2788.	1.5	6
119	Hydrophobic IR-780 Dye Encapsulated in cRGD-Conjugated Solid Lipid Nanoparticles for NIR Imaging-Guided Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12217-12226.	8.0	132
120	Hyperbranched poly(glycerol) as a T ₁ contrast agent for tumor-targeted magnetic resonance imaging in vivo. <i>Polymer Chemistry</i> , 2017, 8, 1104-1113.	3.9	19
121	Gd ₂ O ₃ and GH combined with red blood cells to improve the sensitivity of contrast agents for cancer targeting MR imaging. <i>Biomaterials Science</i> , 2017, 5, 46-49.	5.4	9
122	A poly(μ -caprolactone)-poly(glycerol)-poly(μ -caprolactone) triblock copolymer for designing a polymeric micelle as a tumor targeted magnetic resonance imaging contrast agent. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8408-8416.	5.8	11
123	In vitro selection of DNA aptamers against renal cell carcinoma using living cell-SELEX. <i>Talanta</i> , 2017, 175, 235-242.	5.5	31
124	A highly Sensitive Turn-on Fluorescent Sensor for Ba ²⁺ Based on G-Quadruplexes. <i>Journal of Fluorescence</i> , 2017, 27, 569-574.	2.5	22
125	An Integrated Microfluidic SELEX Approach Using Combined Electrokinetic and Hydrodynamic Manipulation. <i>SLAS Technology</i> , 2017, 22, 63-72.	1.9	12
126	Poly(glycerol) Used for Constructing Mixed Polymeric Micelles as T ₁ MRI Contrast Agent for Tumor-Targeted Imaging. <i>Biomacromolecules</i> , 2017, 18, 150-158.	5.4	33

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127	Label-free ratiometric DNA detection using two kinds of interaction-responsive emission dyes. <i>Biosensors and Bioelectronics</i> , 2017, 87, 320-324.	10.1	26
128	Construction of a junction DNA nanostructure and modulation of the junction switching to quadruplexes. <i>Royal Society Open Science</i> , 2017, 4, 171337.	2.4	3
129	Multi-arm star-branched polymer as an efficient contrast agent for tumor-targeted magnetic resonance imaging. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5001-5008.	5.8	6
130	Oligoethylenimine-grafted chitosan as enhanced T_1 contrast agent for in vivo targeted tumor MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 23-29.	3.4	6
131	Building a chimera of aptamer-antisense oligonucleotide for silencing galectin-1 gene. <i>RSC Advances</i> , 2016, 6, 112445-112450.	3.6	12
132	Dual signal amplification by an α -con-command-pure DNA hydrogel encapsulating HRP for colorimetric detection of ochratoxin A. <i>RSC Advances</i> , 2016, 6, 114500-114504.	3.6	23
133	A Multiscale TiO_2 Nanorod Array for Ultrasensitive Capture of Circulating Tumor Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12638-12643.	8.0	68
134	Functional Hyperbranched Polylysine as Potential Contrast Agent Probes for Magnetic Resonance Imaging. <i>Biomacromolecules</i> , 2016, 17, 2302-2308.	5.4	25
135	Oligoethylenimine grafted PEGylated poly(aspartic acid) as a macromolecular contrast agent: properties and in vivo studies. <i>Journal of Materials Chemistry B</i> , 2016, 4, 3324-3330.	5.8	10
136	Selection and characterization of DNA aptamers for the development of light-up biosensor to detect Cd(II). <i>Talanta</i> , 2016, 154, 498-503.	5.5	91
137	In vitro selection and amplification protocols for isolation of aptameric sensors for small molecules. <i>Methods</i> , 2016, 106, 58-65.	3.8	92
138	Preparation of linear poly(glycerol) as a T_1 contrast agent for tumor-targeted magnetic resonance imaging. <i>Journal of Materials Chemistry B</i> , 2016, 4, 6716-6725.	5.8	14
139	Label-free DNA-based biosensors using structure-selective light-up dyes. <i>Analyst</i> , The, 2016, 141, 6481-6489.	3.5	25
140	Integrated Microfluidic Isolation of Aptamers Using Electrophoretic Oligonucleotide Manipulation. <i>Scientific Reports</i> , 2016, 6, 26139.	3.3	22
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