Tan Weihong

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6255403/publications.pdf

Version: 2024-02-01

926 papers	79,529 citations	211 147 h-index	1116 231 g-index
951 all docs	951 docs citations	951 times ranked	49731 citing authors

#	Article	IF	Citations
1	Aptamers evolved from live cells as effective molecular probes for cancer study. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11838-11843.	7.1	1,344
2	Surface Modification of Silica Nanoparticles to Reduce Aggregation and Nonspecific Binding. Langmuir, 2006, 22, 4357-4362.	3.5	750
3	Conjugation of Biomolecules with Luminophore-Doped Silica Nanoparticles for Photostable Biomarkers. Analytical Chemistry, 2001, 73, 4988-4993.	6.5	738
4	Synthesis and Characterization of Silica-Coated Iron Oxide Nanoparticles in Microemulsion:â€‰ The Effect of Nonionic Surfactants. Langmuir, 2001, 17, 2900-2906.	3.5	732
5	Development of DNA aptamers using Cell-SELEX. Nature Protocols, 2010, 5, 1169-1185.	12.0	706
6	Aptamers Generated from Cell-SELEX for Molecular Medicine: A Chemical Biology Approach. Accounts of Chemical Research, 2010, 43, 48-57.	15.6	701
7	Recent progresses in small-molecule enzymatic fluorescent probes for cancer imaging. Chemical Society Reviews, 2018, 47, 7140-7180.	38.1	689
8	Gold Nanoparticle-Based Colorimetric Assay for the Direct Detection of Cancerous Cells. Analytical Chemistry, 2008, 80, 1067-1072.	6.5	594
9	Molecular Engineering of DNA: Molecular Beacons. Angewandte Chemie - International Edition, 2009, 48, 856-870.	13.8	581
10	Aptamers from Cell-Based Selection for Bioanalytical Applications. Chemical Reviews, 2013, 113, 2842-2862.	47.7	558
11	Carbon Nanotube-Quenched Fluorescent Oligonucleotides: Probes that Fluoresce upon Hybridization. Journal of the American Chemical Society, 2008, 130, 8351-8358.	13.7	541
12	Ultrasensitive DNA Detection Using Highly Fluorescent Bioconjugated Nanoparticles. Journal of the American Chemical Society, 2003, 125, 11474-11475.	13.7	536
13	A rapid bioassay for single bacterial cell quantitation using bioconjugated nanoparticles. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15027-15032.	7.1	535
14	Activatable Fluorescence/MRI Bimodal Platform for Tumor Cell Imaging via MnO₂ Nanosheetâ€“Aptamer Nanoprobe. Journal of the American Chemical Society, 2014, 136, 11220-11223.	13.7	522
15	Self-assembled, aptamer-tethered DNA nanotrains for targeted transport of molecular drugs in cancer theranostics. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7998-8003.	7.1	495
16	Nanotechnology in therapeutics: a focus on nanoparticles as a drug delivery system. Nanomedicine, 2012, 7, 1253-1271.	3.3	491
17	Preparation and antibacterial activity of Fe3O4@Ag nanoparticles. Nanotechnology, 2007, 18, 285604.	2.6	486
18	Molecular beacons. Current Opinion in Chemical Biology, 2004, 8, 547-553.	6.1	474

#	Article	IF	Citations
19	A Smart Photosensitizerâ€“Manganese Dioxide Nanosystem for Enhanced Photodynamic Therapy by Reducing Glutathione Levels in Cancer Cells. Angewandte Chemie - International Edition, 2016, 55, 5477-5482.	13.8	471
20	Nanotechnology in Plant Disease Management: DNA-Directed Silver Nanoparticles on Graphene Oxide as an Antibacterial against Xanthomonas perforans. ACS Nano, 2013, 7, 8972-8980.	14.6	470
21	Selection of Aptamers for Molecular Recognition and Characterization of Cancer Cells. Analytical Chemistry, 2007, 79, 4900-4907.	6.5	445
22	Cell-Specific Aptamer Probes for Membrane Protein Elucidation in Cancer Cells. Journal of Proteome Research, 2008, 7, 2133-2139.	3.7	434
23	Biochemically functionalized silica nanoparticles. Analyst, The, 2001, 126, 1274-1278.	3.5	432
24	Bionanotechnology based on silica nanoparticles. Medicinal Research Reviews, 2004, 24, 621-638.	10.5	430
25	Osteoclast-derived exosomal miR-214-3p inhibits osteoblastic bone formation. Nature Communications, 2016, 7, 10872.	12.8	424
26	Aptamer-Conjugated Nanoparticles for Selective Collection and Detection of Cancer Cells. Analytical Chemistry, 2006, 78, 2918-2924.	6.5	419
27	Multicolor FRET Silica Nanoparticles by Single Wavelength Excitation. Nano Letters, 2006, 6, 84-88.	9.1	418
28	Functional nucleic acid-based hydrogels for bioanalytical and biomedical applications. Chemical Society Reviews, 2016, 45, 1410-1431.	38.1	416
29	Self-assembly of DNA Nanohydrogels with Controllable Size and Stimuli-Responsive Property for Targeted Gene Regulation Therapy. Journal of the American Chemical Society, 2015, 137, 1412-1415.	13.7	406
30	Aptamer/AuNP Biosensor for Colorimetric Profiling of Exosomal Proteins. Angewandte Chemie - International Edition, 2017, 56, 11916-11920.	13.8	390
31	Grapheneâ€“DNAzyme Based Biosensor for Amplified Fluorescence â€œTurn-Onâ€•Detection of Pb²⁺ with a High Selectivity. Analytical Chemistry, 2011, 83, 5062-5066.	6.5	389
32	Aptasensor with Expanded Nucleotide Using DNA Nanotetrahedra for Electrochemical Detection of Cancerous Exosomes. ACS Nano, 2017, 11, 3943-3949.	14.6	370
33	Molecular Assembly of an Aptamerâ€“Drug Conjugate for Targeted Drug Delivery to Tumor Cells. ChemBioChem, 2009, 10, 862-868.	2.6	363
34	Metalâ€“Organic Framework Nanocarriers for Drug Delivery in Biomedical Applications. Nano-Micro Letters, 2020, 12, 103.	27.0	363
35	Noncanonical Self-Assembly of Multifunctional DNA Nanoflowers for Biomedical Applications. Journal of the American Chemical Society, 2013, 135, 16438-16445.	13.7	357
36	Watching Silica Nanoparticles Glow in the Biological World. Analytical Chemistry, 2006, 78, 646-654.	6.5	342

#	Article	IF	Citations
37	Aptamer-Conjugated Nanoparticles for the Collection and Detection of Multiple Cancer Cells. Analytical Chemistry, 2007, 79, 3075-3082.	6.5	339
38	Bioconjugated silica nanoparticles: Development and applications. Nano Research, 2008, 1, 99-115.	10.4	337
39	Dye-doped nanoparticles for bioanalysis. Nano Today, 2007, 2, 44-50.	11.9	336
40	Precise nanomedicine for intelligent therapy of cancer. Science China Chemistry, 2018, 61, 1503-1552.	8.2	336
41	Assembly of Aptamer Switch Probes and Photosensitizer on Gold Nanorods for Targeted Photothermal and Photodynamic Cancer Therapy. ACS Nano, 2012, 6, 5070-5077.	14.6	334
42	Engineering Target-Responsive Hydrogels Based on Aptamerâ˜Target Interactions. Journal of the American Chemical Society, 2008, 130, 6320-6321.	13.7	324
43	Low-cost thermophoretic profiling of extracellular-vesicle surface proteins for the early detection and classification of cancers. Nature Biomedical Engineering, 2019, 3, 183-193.	22.5	324
44	In Vivo Study of Biodistribution and Urinary Excretion of Surface-Modified Silica Nanoparticles. Analytical Chemistry, 2008, 80, 9597-9603.	6.5	321
45	Functional DNA-Containing Nanomaterials: Cellular Applications in Biosensing, Imaging, and Targeted Therapy. Accounts of Chemical Research, 2014, 47, 1891-1901.	15.6	317
46	Aptamerâ˜Nanoparticle Strip Biosensor for Sensitive Detection of Cancer Cells. Analytical Chemistry, 2009, 81, 10013-10018.	6.5	316
47	DNA aptamerâ€“micelle as an efficient detection/delivery vehicle toward cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5-10.	7.1	315
48	Dual-Luminophore-Doped Silica Nanoparticles for Multiplexed Signaling. Nano Letters, 2005, 5, 37-43.	9.1	311
49	Rationally designed molecular beacons for bioanalytical and biomedical applications. Chemical Society Reviews, 2015, 44, 3036-3055.	38.1	306
50	Noncovalent Assembly of Carbon Nanotubes and Single-Stranded DNA: An Effective Sensing Platform for Probing Biomolecular Interactions. Analytical Chemistry, 2008, 80, 7408-7413.	6.5	303
51	Nucleic Acid Conjugated Nanomaterials for Enhanced Molecular Recognition. ACS Nano, 2009, 3, 2451-2460.	14.6	303
52	Aptamer Switch Probe Based on Intramolecular Displacement. Journal of the American Chemical Society, 2008, 130, 11268-11269.	13.7	302
53	Identification of Liver Cancer-Specific Aptamers Using Whole Live Cells. Analytical Chemistry, 2008, 80, 721-728.	6.5	300
54	Molecular Aptamer Beacons for Real-Time Protein Recognition. Biochemical and Biophysical Research Communications, 2002, 292, 31-40.	2.1	296

#	Article	IF	Citations
55	Spectroscopic Evidence for Excitonic Localization in Fractal Antenna Supermolecules. Physical Review Letters, 1997, 78, 1239-1242.	7.8	295
56	Aptamer-Based Detection of Circulating Targets for Precision Medicine. Chemical Reviews, 2021, 121, 12035-12105.	47.7	294
57	Submicrometer intracellular chemical optical fiber sensors. Science, 1992, 258, 778-781.	12.6	291
58	Cancer Cell Targeting Using Multiple Aptamers Conjugated on Nanorods. Analytical Chemistry, 2008, 80, 567-572.	6.5	291
59	Pyrene Excimer Signaling Molecular Beacons for Probing Nucleic Acids. Journal of the American Chemical Society, 2008, 130, 336-342.	13.7	289
60	A Nonenzymatic Hairpin DNA Cascade Reaction Provides High Signal Gain of mRNA Imaging inside Live Cells. Journal of the American Chemical Society, 2015, 137, 4900-4903.	13.7	288
61	Activatable aptamer probe for contrast-enhanced in vivo cancer imaging based on cell membrane protein-triggered conformation alteration. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3900-3905.	7.1	283
62	An Allosteric Dual-DNAzyme Unimolecular Probe for Colorimetric Detection of Copper(II). Journal of the American Chemical Society, 2009, 131, 14624-14625.	13.7	282
63	Directed Energy Transfer Funnels in Dendrimeric Antenna Supermoleculesâ€. Journal of Physical Chemistry B, 1997, 101, 6318-6322.	2.6	279
64	In vitro selection with artificial expanded genetic information systems. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1449-1454.	7.1	279
65	DNA Nanoflowers for Multiplexed Cellular Imaging and Traceable Targeted Drug Delivery. Angewandte Chemie - International Edition, 2014, 53, 5821-5826.	13.8	274
66	Regulation of Singlet Oxygen Generation Using Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2008, 130, 10856-10857.	13.7	264
67	A Fiber-Optic Evanescent Wave DNA Biosensor Based on Novel Molecular Beacons. Analytical Chemistry, 1999, 71, 5054-5059.	6.5	263
68	Bioconjugated Nanoparticles for DNA Protection from Cleavage. Journal of the American Chemical Society, 2003, 125, 7168-7169.	13.7	263
69	Ultrasensitive detection of biomolecules with fluorescent dye-doped nanoparticles. Analytical Biochemistry, 2004, 334, 135-144.	2.4	262
70	Near-Infrared Light-Responsive Coreâ€“Shell Nanogels for Targeted Drug Delivery. ACS Nano, 2011, 5, 5094-5099.	14.6	262
71	Designing a Novel Molecular Beacon for Surface-Immobilized DNA Hybridization Studies. Journal of the American Chemical Society, 1999, 121, 2921-2922.	13.7	259
72	Development of novel dye-doped silica nanoparticles for biomarker application. Journal of Biomedical Optics, 2001, 6, 160.	2.6	256

#	Article	IF	Citations
73	A Smart DNAzymeâ€“MnO₂ Nanosystem for Efficient Gene Silencing. Angewandte Chemie - International Edition, 2015, 54, 4801-4805.	13.8	253
74	Aptamer-functionalized lipid nanoparticles targeting osteoblasts as a novel RNA interferenceâ€“based bone anabolic strategy. Nature Medicine, 2015, 21, 288-294.	30.7	253
75	Aptamer Directly Evolved from Live Cells Recognizes Membrane Bound Immunoglobin Heavy Mu Chain in Burkitt's Lymphoma Cells. Molecular and Cellular Proteomics, 2007, 6, 2230-2238.	3.8	252
76	A Single DNA Molecule Nanomotor. Nano Letters, 2002, 2, 315-318.	9.1	250
77	Molecular Engineering of a TBET-Based Two-Photon Fluorescent Probe for Ratiometric Imaging of Living Cells and Tissues. Journal of the American Chemical Society, 2014, 136, 9838-9841.	13.7	246
78	Aptamer-Based Microfluidic Device for Enrichment, Sorting, and Detection of Multiple Cancer Cells. Analytical Chemistry, 2009, 81, 7436-7442.	6.5	245
79	Programmable and Multiparameter DNA-Based Logic Platform For Cancer Recognition and Targeted Therapy. Journal of the American Chemical Society, 2015, 137, 667-674.	13.7	241
80	Carbon Nanotubes Protect DNA Strands during Cellular Delivery. ACS Nano, 2008, 2, 2023-2028.	14.6	234
81	Photon-Manipulated Drug Release from a Mesoporous Nanocontainer Controlled by Azobenzene-Modified Nucleic Acid. ACS Nano, 2012, 6, 6337-6344.	14.6	234
82	Fluorescence Resonance Energy Transfer-Based DNA Tetrahedron Nanotweezer for Highly Reliable Detection of Tumor-Related mRNA in Living Cells. ACS Nano, 2017, 11, 4060-4066.	14.6	233
83	mRNA-Initiated, Three-Dimensional DNA Amplifier Able to Function inside Living Cells. Journal of the American Chemical Society, 2018, 140, 258-263.	13.7	233
84	TAT conjugated, FITC doped silica nanoparticles for bioimaging applications. Chemical Communications, 2004, , 2810.	4.1	232
85	Cellâ€Specific Internalization Study of an Aptamer from Whole Cell Selection. Chemistry - A European Journal, 2008, 14, 1769-1775.	3.3	230
86	Building a Multifunctional Aptamer-Based DNA Nanoassembly for Targeted Cancer Therapy. Journal of the American Chemical Society, 2013, 135, 18644-18650.	13.7	229
87	A materials-science perspective on tackling COVID-19. Nature Reviews Materials, 2020, 5, 847-860.	48.7	228
88	DNA probes for monitoring dynamic and transient molecular encounters on live cell membranes. Nature Nanotechnology, 2017, 12, 453-459.	31.5	226
89	Oriented assembly of Au nanorods using biorecognition system. Chemical Communications, 2005, , 1092.	4.1	223
90	A versatile graphene-based fluorescence â€œon/offâ€•switch for multiplex detection of various targets. Biosensors and Bioelectronics, 2011, 26, 3260-3265.	10.1	221

#	Article	IF	Citations
91	Nucleic Acid Aptamers for Molecular Diagnostics and Therapeutics: Advances and Perspectives. Angewandte Chemie - International Edition, 2021, 60, 2221-2231.	13.8	221
92	A Ligation-Triggered DNAzyme Cascade for Amplified Fluorescence Detection of Biological Small Molecules with Zero-Background Signal. Journal of the American Chemical Society, 2011, 133, 11686-11691.	13.7	220
93	Optimization and Modifications of Aptamers Selected from Live Cancer Cell Lines. ChemBioChem, 2007, 8, 603-606.	2.6	218
94	Construction of a Multiple-Aptamer-Based DNA Logic Device on Live Cell Membranes via Associative Toehold Activation for Accurate Cancer Cell Identification. Journal of the American Chemical Society, 2019, 141, 12738-12743.	13.7	217
95	Selective Photothermal Therapy for Mixed Cancer Cells Using Aptamer-Conjugated Nanorods. Langmuir, 2008, 24, 11860-11865.	3.5	214
96	Aptamer-Enabled Efficient Isolation of Cancer Cells from Whole Blood Using a Microfluidic Device. Analytical Chemistry, 2012, 84, 4199-4206.	6.5	214
97	Engineering a 3D DNA-Logic Gate Nanomachine for Bispecific Recognition and Computing on Target Cell Surfaces. Journal of the American Chemical Society, 2018, 140, 9793-9796.	13.7	214
98	Fluorescent dye-doped silica nanoparticles: new tools for bioapplications. Chemical Communications, 2012, 48, 2270.	4.1	212
99	Sensitive fluorescence detection of nucleic acids based on isothermal circular strand-displacement polymerization reaction. Nucleic Acids Research, 2009, 37, e20-e20.	14.5	211
100	TRPM8 Mechanism of Cold Allodynia after Chronic Nerve Injury. Journal of Neuroscience, 2007, 27, 13680-13690.	3.6	210
101	DNA â€œNano-Clawâ€ Logic-Based Autonomous Cancer Targeting and Therapy. Journal of the American Chemical Society, 2014, 136, 1256-1259.	13.7	210
102	A Cell-Targeted, Size-Photocontrollable, Nuclear-Uptake Nanodrug Delivery System for Drug-Resistant Cancer Therapy. Nano Letters, 2015, 15, 457-463.	9.1	209
103	Enrichment of Cancer Cells Using Aptamers Immobilized on a Microfluidic Channel. Analytical Chemistry, 2009, 81, 1033-1039.	6.5	207
104	Multivalent DNA Nanospheres for Enhanced Capture of Cancer Cells in Microfluidic Devices. ACS Nano, 2013, 7, 7067-7076.	14.6	207
105	Using molecular beacons as a sensitive fluorescence assay for enzymatic cleavage of single-stranded DNA. Nucleic Acids Research, 2000, 28, 52e-52.	14.5	204
106	Locked Nucleic Acid Molecular Beacons. Journal of the American Chemical Society, 2005, 127, 15664-15665.	13.7	198
107	A Cyanine Dye to Probe Mitophagy: Simultaneous Detection of Mitochondria and Autolysosomes in Live Cells. Journal of the American Chemical Society, 2016, 138, 12368-12374.	13.7	194
108	A Dual Platform for Selective Analyte Enrichment and Ionization in Mass Spectrometry Using Aptamer-Conjugated Graphene Oxide. Journal of the American Chemical Society, 2010, 132, 17408-17410.	13.7	192

#	Article	IF	Citations
109	High-Sensitivity Naphthalene-Based Two-Photon Fluorescent Probe Suitable for Direct Bioimaging of H₂S in Living Cells. Analytical Chemistry, 2013, 85, 7875-7881.	6.5	189
110	Aptamer-conjugated nanomaterials and their applications. Advanced Drug Delivery Reviews, 2011, 63, 1361-1370.	13.7	188
111	Molecular Beacons: A Novel Approach to Detect Protein - DNA Interactions. Angewandte Chemie - International Edition, 2000, 39, 1049-1052.	13.8	187
112	G-Quadruplex-Based Nanoscale Coordination Polymers to Modulate Tumor Hypoxia and Achieve Nuclear-Targeted Drug Delivery for Enhanced Photodynamic Therapy. Nano Letters, 2018, 18, 6867-6875.	9.1	187
113	An Autonomous and Controllable Lightâ€Driven DNA Walking Device. Angewandte Chemie - International Edition, 2012, 51, 2457-2460.	13.8	186
114	A Targeted, Self-Delivered, and Photocontrolled Molecular Beacon for mRNA Detection in Living Cells. Journal of the American Chemical Society, 2013, 135, 12952-12955.	13.7	185
115	Evolution of Functional Six-Nucleotide DNA. Journal of the American Chemical Society, 2015, 137, 6734-6737.	13.7	185
116	Nucleic acid aptamers for biosensors and bio-analytical applications. Analyst, The, 2009, 134, 1765.	3.5	181
117	Molecular Recognition-Based DNA Nanoassemblies on the Surfaces of Nanosized Exosomes. Journal of the American Chemical Society, 2017, 139, 5289-5292.	13.7	175
118	In Situ Localization of Enzyme Activity in Live Cells by a Molecular Probe Releasing a Precipitating Fluorochrome. Angewandte Chemie - International Edition, 2017, 56, 11788-11792.	13.8	174
119	Genetically Encoded Fluorescent RNA Sensor for Ratiometric Imaging of MicroRNA in Living Tumor Cells. Journal of the American Chemical Society, 2017, 139, 9779-9782.	13.7	173
120	Goldâ€Coated Fe₃O₄ Nanoroses with Five Unique Functions for Cancer Cell Targeting, Imaging, and Therapy. Advanced Functional Materials, 2014, 24, 1772-1780.	14.9	172
121	Inâ€…Situ Amplificationâ€Based Imaging of RNA in Living Cells. Angewandte Chemie - International Edition, 2019, 58, 11574-11585.	13.8	170
122	Fluorescent Nanoparticles for Multiplexed Bacteria Monitoring. Bioconjugate Chemistry, 2007, 18, 297-301.	3.6	169
123	Targeted Bioimaging and Photodynamic Therapy Nanoplatform Using an Aptamerâ€Guided Gâ€Quadruplex DNA Carrier and Nearâ€Infrared Light. Angewandte Chemie - International Edition, 2013, 52, 13965-13969.	13.8	169
124	Simultaneous Application of Photothermal Therapy and an Antiâ€inflammatory Prodrug using Pyreneâ€“Aspirinâ€Loaded Gold Nanorod Graphitic Nanocapsules. Angewandte Chemie - International Edition, 2018, 57, 177-181.	13.8	169
125	A General Strategy for Development of Activatable NIRâ€II Fluorescent Probes for In Vivo Highâ€Contrast Bioimaging. Angewandte Chemie - International Edition, 2021, 60, 800-805.	13.8	169
126	Molecular assembly for high-performance bivalent nucleic acid inhibitor. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5664-5669.	7.1	168

#	Article	IF	Citations
127	Aptamer-Conjugated Nanoparticles for Cancer Cell Detection. Analytical Chemistry, 2011, 83, 727-734.	6.5	168
128	Hyaluronic Acid-Decorated Graphene Oxide Nanohybrids as Nanocarriers for Targeted and pH-Responsive Anticancer Drug Delivery. ACS Applied Materials & Interfaces, 2014, 6, 11882-11890.	8.0	166
129	Photoresponsive DNA-Cross-Linked Hydrogels for Controllable Release and Cancer Therapy. Langmuir, 2011, 27, 399-408.	3.5	165
130	Through Bond Energy Transfer: A Convenient and Universal Strategy toward Efficient Ratiometric Fluorescent Probe for Bioimaging Applications. Analytical Chemistry, 2012, 84, 10777-10784.	6.5	165
131	Molecular Self-Assembly of Bioorthogonal Aptamer-Prodrug Conjugate Micelles for Hydrogen Peroxide and pH-Independent Cancer Chemodynamic Therapy. Journal of the American Chemical Society, 2020, 142, 937-944.	13.7	165
132	A Metalâ€“Organic Framework as Selectivity Regulator for Fe³⁺ and Ascorbic Acid Detection. Analytical Chemistry, 2019, 91, 12453-12460.	6.5	163
133	Development of submicron chemical fiber optic sensors. Analytical Chemistry, 1992, 64, 2985-2990.	6.5	162
134	Recognition of subtype non-small cell lung cancer by DNA aptamers selected from living cells. Analyst, The, 2009, 134, 1808.	3.5	162
135	Pattern Recognition of Cancer Cells Using Aptamer-Conjugated Magnetic Nanoparticles. ACS Nano, 2012, 6, 3974-3981.	14.6	162
136	Design of Aptamer-Based Sensing Platform Using Triple-Helix Molecular Switch. Analytical Chemistry, 2011, 83, 6586-6592.	6.5	161
137	A liposome-based nanostructure for aptamer directed delivery. Chemical Communications, 2010, 46, 249-251.	4.1	160
138	Automated Modular Synthesis of Aptamerâ€“Drug Conjugates for Targeted Drug Delivery. Journal of the American Chemical Society, 2014, 136, 2731-2734.	13.7	159
139	Immobilization of oligonucleotides onto silica nanoparticles for DNA hybridization studies. Analytica Chimica Acta, 2002, 470, 51-56.	5.4	158
140	Using Aptamer-Conjugated Fluorescence Resonance Energy Transfer Nanoparticles for Multiplexed Cancer Cell Monitoring. Analytical Chemistry, 2009, 81, 7009-7014.	6.5	158
141	Circular Bivalent Aptamers Enable in Vivo Stability and Recognition. Journal of the American Chemical Society, 2017, 139, 9128-9131.	13.7	156
142	DNA hydrogel-based gene editing and drug delivery systems. Advanced Drug Delivery Reviews, 2021, 168, 79-98.	13.7	155
143	Collection of Trace Amounts of DNA/mRNA Molecules Using Genomagnetic Nanocapturers. Analytical Chemistry, 2003, 75, 3476-3483.	6.5	154
144	A Controlledâ€Release Nanocarrier with Extracellular pHâ€…Value Driven Tumor Targeting and Translocation for Drug Delivery. Angewandte Chemie - International Edition, 2013, 52, 7487-7491.	13.8	154

#	Article	IF	Citations
145	DNA Micelle Flares for Intracellular mRNA Imaging and Gene Therapy. Angewandte Chemie - International Edition, 2013, 52, 2012-2016.	13.8	154
146	Facile Surface Functionalization of Hydrophobic Magnetic Nanoparticles. Journal of the American Chemical Society, 2014, 136, 12552-12555.	13.7	154
147	Alkyne-Functionalized Superstable Graphitic Silver Nanoparticles for Raman Imaging. Journal of the American Chemical Society, 2014, 136, 13558-13561.	13.7	154
148	FloDots: luminescent nanoparticles. Analytical and Bioanalytical Chemistry, 2006, 385, 518-524.	3.7	153
149	Autofluorescence-Free Targeted Tumor Imaging Based on Luminous Nanoparticles with Composition-Dependent Size and Persistent Luminescence. ACS Nano, 2017, 11, 8010-8017.	14.6	153
150	Synthetic DNA Aptamers to Detect Protein Molecular Variants in a High-Throughput Fluorescence Quenching Assay. ChemBioChem, 2003, 4, 829-834.	2.6	152
151	A mitochondrial-targeted prodrug for NIR imaging guided and synergetic NIR photodynamic-chemo cancer therapy. Chemical Science, 2017, 8, 7689-7695.	7.4	152
152	DNAâ€Based Micelles: Synthesis, Micellar Properties and Sizeâ€Dependent Cell Permeability. Chemistry - A European Journal, 2010, 16, 3791-3797.	3.3	151
153	DNA Dendrimer: An Efficient Nanocarrier of Functional Nucleic Acids for Intracellular Molecular Sensing. ACS Nano, 2014, 8, 6171-6181.	14.6	149
154	Near Infrared Graphene Quantum Dots-Based Two-Photon Nanoprobe for Direct Bioimaging of Endogenous Ascorbic Acid in Living Cells. Analytical Chemistry, 2017, 89, 4077-4084.	6.5	147
155	Exploiting the Higher Specificity of Silver Amalgamation: Selective Detection of Mercury(II) by Forming Ag/Hg Amalgam. Analytical Chemistry, 2013, 85, 8594-8600.	6.5	146
156	Graphene Signal Amplification for Sensitive and Real-Time Fluorescence Anisotropy Detection of Small Molecules. Analytical Chemistry, 2013, 85, 1424-1430.	6.5	146
157	Hairpin Fluorescence DNA Probe for Real-Time Monitoring of DNA Methylation. Analytical Chemistry, 2007, 79, 1050-1056.	6.5	145
158	Development of Organic Dye-Doped Silica Nanoparticles for Bioanalysis and Biosensors. Journal of Nanoscience and Nanotechnology, 2002, 2, 405-409.	0.9	144
159	Aptamers Evolved from Cultured Cancer Cells Reveal Molecular Differences of Cancer Cells in Patient Samples. Clinical Chemistry, 2007, 53, 1153-1155.	3.2	144
160	Engineering a Unimolecular DNA-Catalytic Probe for Single Lead Ion Monitoring. Journal of the American Chemical Society, 2009, 131, 8221-8226.	13.7	142
161	Cell Membrane-Anchored Biosensors for Real-Time Monitoring of the Cellular Microenvironment. Journal of the American Chemical Society, 2014, 136, 13090-13093.	13.7	142
162	NIRâ€II Driven Plasmonâ€Enhanced Catalysis for a Timely Supply of Oxygen to Overcome Hypoxiaâ€Induced Radiotherapy Tolerance. Angewandte Chemie - International Edition, 2019, 58, 15069-15075.	13.8	142

#	Article	IF	Citations
163	Molecular Beacons: A Novel DNA Probe for Nucleic Acid and Protein Studies. Chemistry - A European Journal, 2000, 6, 1107-1111.	3.3	142
164	Molecular Beacons for DNA Biosensors with Micrometer to Submicrometer Dimensions. Analytical Biochemistry, 2000, 283, 56-63.	2.4	141
165	Real-Time Monitoring of Intracellular mRNA Hybridization Inside Single Living Cells. Analytical Chemistry, 2001, 73, 5544-5550.	6.5	141
166	Preparation and biomedical applications of programmable and multifunctional DNA nanoflowers. Nature Protocols, 2015, 10, 1508-1524.	12.0	141
167	Liquid-state quantitative SERS analyzer on self-ordered metal liquid-like plasmonic arrays. Nature Communications, 2018, 9, 3642.	12.8	140
168	DNAâ€Guided Metalâ€Nanoparticle Formation on Graphene Oxide Surface. Advanced Materials, 2013, 25, 2319-2325.	21.0	137
169	DNA Aptamerâ€Mediated Cell Targeting. Angewandte Chemie - International Edition, 2013, 52, 1472-1476.	13.8	137
170	Recent Progress in Small-Molecule Near-IR Probes for Bioimaging. Trends in Chemistry, 2019, 1, 224-234.	8.5	137
171	Cell-Membrane-Anchored DNA Nanoplatform for Programming Cellular Interactions. Journal of the American Chemical Society, 2019, 141, 18013-18020.	13.7	136
172	Generating Aptamers for Recognition of Virus-Infected Cells. Clinical Chemistry, 2009, 55, 813-822.	3.2	135
173	Efficient Two-Photon Fluorescent Probe for Nitroreductase Detection and Hypoxia Imaging in Tumor Cells and Tissues. Analytical Chemistry, 2015, 87, 11832-11839.	6.5	135
174	Design of a Simultaneous Target and Location-Activatable Fluorescent Probe for Visualizing Hydrogen Sulfide in Lysosomes. Analytical Chemistry, 2014, 86, 7508-7515.	6.5	134
175	Using photons to manipulate enzyme inhibition by an azobenzene-modified nucleic acid probe. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6489-6494.	7.1	133
176	Building Fluorescent DNA Nanodevices on Target Living Cell Surfaces. Angewandte Chemie - International Edition, 2013, 52, 5490-5496.	13.8	133
177	Engineering of Bioinspired, Size-Controllable, Self-Degradable Cancer-Targeting DNA Nanoflowers via the Incorporation of an Artificial Sandwich Base. Journal of the American Chemical Society, 2019, 141, 4282-4290.	13.7	133
178	Using Molecular Beacons To Probe Molecular Interactions between Lactate Dehydrogenase and Single-Stranded DNA. Analytical Chemistry, 2000, 72, 3280-3285.	6.5	132
179	One-Dimensional Luminous Nanorods Featuring Tunable Persistent Luminescence for Autofluorescence-Free Biosensing. ACS Nano, 2017, 11, 8185-8191.	14.6	132
180	Ionic Functionalization of Hydrophobic Colloidal Nanoparticles To Form Ionic Nanoparticles with Enzymelike Properties. Journal of the American Chemical Society, 2015, 137, 14952-14958.	13.7	130

#	Article	IF	Citations
181	Aptamer-Functionalized Exosomes: Elucidating the Cellular Uptake Mechanism and the Potential for Cancer-Targeted Chemotherapy. Analytical Chemistry, 2019, 91, 2425-2430.	6.5	130
182	DNA-Capped Mesoporous Silica Nanoparticles as an Ion-Responsive Release System to Determine the Presence of Mercury in Aqueous Solutions. Analytical Chemistry, 2012, 84, 1956-1962.	6.5	129
183	Responsive DNAâ€Based Hydrogels and Their Applications. Macromolecular Rapid Communications, 2013, 34, 1271-1283.	3.9	129
184	Aptamer-conjugated gold nanoparticles for bioanalysis. Nanomedicine, 2013, 8, 983-993.	3.3	129
185	A unique approach toward near-infrared fluorescent probes for bioimaging with remarkably enhanced contrast. Chemical Science, 2016, 7, 2275-2285.	7.4	129
186	Noninvasive monitoring of intracellular pH change induced by drug stimulation using silica nanoparticle sensors. Analytical and Bioanalytical Chemistry, 2007, 388, 645-654.	3.7	128
187	Nucleic acid aptamers: an emerging frontier in cancer therapy. Chemical Communications, 2012, 48, 10472.	4.1	128
188	Versatile DNAzyme-Based Amplified Biosensing Platforms for Nucleic Acid, Protein, and Enzyme Activity Detection. Analytical Chemistry, 2013, 85, 3614-3620.	6.5	127
189	Reversible Phase Transfer of Nanoparticles Based on Photoswitchable Hostâ€“Guest Chemistry. ACS Nano, 2014, 8, 2555-2561.	14.6	127
190	Macroscopic Volume Change of Dynamic Hydrogels Induced by Reversible DNA Hybridization. Journal of the American Chemical Society, 2012, 134, 12302-12307.	13.7	126
191	Nitric Oxide-Activated â€œDual-Keyâ€“One-Lockâ€•Nanoprobe for in Vivo Molecular Imaging and High-Specificity Cancer Therapy. Journal of the American Chemical Society, 2019, 141, 13572-13581.	13.7	126
192	Real-time investigation of nucleic acids phosphorylation process using molecular beacons. Nucleic Acids Research, 2005, 33, e97-e97.	14.5	124
193	Engineering of Switchable Aptamer Micelle Flares for Molecular Imaging in Living Cells. ACS Nano, 2013, 7, 5724-5731.	14.6	124
194	Direct Immobilization of Glutamate Dehydrogenase on Optical Fiber Probes for Ultrasensitive Glutamate Detection. Analytical Chemistry, 1999, 71, 1529-1533.	6.5	123
195	Generating Aptamers by Cell-SELEX for Applications in Molecular Medicine. International Journal of Molecular Sciences, 2012, 13, 3341-3353.	4.1	123
196	Multicolor Fluorescent Biosensor for Multiplexed Detection of DNA. Analytical Chemistry, 2014, 86, 5009-5016.	6.5	123
197	Selfâ€Assembled Aptamerâ€Grafted Hyperbranched Polymer Nanocarrier for Targeted and Photoresponsive Drug Delivery. Angewandte Chemie - International Edition, 2018, 57, 17048-17052.	13.8	122
198	A programmable polymer library that enables the construction of stimuli-responsive nanocarriers containing logic gates. Nature Chemistry, 2020, 12, 381-390.	13.6	122

#	Article	IF	Citations
199	Uptake of Silica-Coated Nanoparticles by HeLa Cells. Journal of Nanoscience and Nanotechnology, 2005, 5, 1688-1693.	0.9	119
200	A Surface Energy Transfer Nanoruler for Measuring Binding Site Distances on Live Cell Surfaces. Journal of the American Chemical Society, 2010, 132, 16559-16570.	13.7	119
201	DNA Aptamer Selected against Pancreatic Ductal Adenocarcinoma for in vivo Imaging and Clinical Tissue Recognition. Theranostics, 2015, 5, 985-994.	10.0	119
202	Molecular Elucidation of Disease Biomarkers at the Interface of Chemistry and Biology. Journal of the American Chemical Society, 2017, 139, 2532-2540.	13.7	119
203	Insulin-binding aptamer-conjugated graphene oxide for insulin detection. Analyst, The, 2011, 136, 4138.	3.5	118
204	Deubiquitylation and stabilization of p21 by USP11 is critical for cell-cycle progression and DNA damage responses. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4678-4683.	7.1	118
205	Monitoring the Reactions of Single Enzyme Molecules and Single Metal Ions. Analytical Chemistry, 1997, 69, 4242-4248.	6.5	117
206	Barbated Skullcup herb extract-mediated biosynthesis of gold nanoparticles and its primary application in electrochemistry. Colloids and Surfaces B: Biointerfaces, 2009, 73, 75-79.	5.0	117
207	Highly Sensitive MicroRNA Detection by Coupling Nicking-Enhanced Rolling Circle Amplification with MoS₂ Quantum Dots. Analytical Chemistry, 2020, 92, 13588-13594.	6.5	117
208	Recent progress in engineering near-infrared persistent luminescence nanoprobes for time-resolved biosensing/bioimaging. Nano Research, 2019, 12, 1279-1292.	10.4	116
209	Bioconjugated silica-coated nanoparticles for bioseparation and bioanalysis. TrAC - Trends in Analytical Chemistry, 2006, 25, 848-855.	11.4	115
210	Smart Multifunctional Nanostructure for Targeted Cancer Chemotherapy and Magnetic Resonance Imaging. ACS Nano, 2011, 5, 7866-7873.	14.6	115
211	Direct Synthesis of an Oligonucleotideâ€“Poly(phenylene ethynylene) Conjugate with a Precise One-to-One Molecular Ratio. Angewandte Chemie - International Edition, 2005, 44, 2572-2576.	13.8	114
212	Equipping Natural Killer Cells with Specific Targeting and Checkpoint Blocking Aptamers for Enhanced Adoptive Immunotherapy in Solid Tumors. Angewandte Chemie - International Edition, 2020, 59, 12022-12028.	13.8	114
213	Photosensitizerâ€“Gold Nanorod Composite for Targeted Multimodal Therapy. Small, 2013, 9, 3678-3684.	10.0	113
214	Efficient Two-Photon Fluorescent Probe with Red Emission for Imaging of Thiophenols in Living Cells and Tissues. Analytical Chemistry, 2015, 87, 8896-8903.	6.5	113
215	A Logical Molecular Circuit for Programmable and Autonomous Regulation of Protein Activity Using DNA Aptamerâ€“Protein Interactions. Journal of the American Chemical Society, 2012, 134, 20797-20804.	13.7	111
216	Aptamer-conjugated nanomaterials for specific cancer cell recognition and targeted cancer therapy. NPG Asia Materials, 2014, 6, e95-e95.	7.9	111

#	Article	IF	Citations
217	Direct Visualization of Walking Motions of Photocontrolled Nanomachine on the DNA Nanostructure. Nano Letters, 2015, 15, 6672-6676.	9.1	111
218	Aptamer-conjugated nanomaterials for bioanalysis and biotechnology applications. Nanoscale, 2011, 3, 546-556.	5.6	110
219	Fabricating a Reversible and Regenerable Raman-Active Substrate with a Biomolecule-Controlled DNA Nanomachine. Journal of the American Chemical Society, 2012, 134, 19957-19960.	13.7	110
220	ZrMOF nanoparticles as quenchers to conjugate DNA aptamers for target-induced bioimaging and photodynamic therapy. Chemical Science, 2018, 9, 7505-7509.	7.4	110
221	Semiquantification of ATP in Live Cells Using Nonspecific Desorption of DNA from Graphene Oxide as the Internal Reference. Analytical Chemistry, 2012, 84, 8622-8627.	6.5	109
222	Single-walled carbon nanotube as an effective quencher. Analytical and Bioanalytical Chemistry, 2010, 396, 73-83.	3.7	108
223	Entropy Beacon: A Hairpin-Free DNA Amplification Strategy for Efficient Detection of Nucleic Acids. Analytical Chemistry, 2015, 87, 11714-11720.	6.5	106
224	Single Nanoparticle to 3D Supercage: Framing for an Artificial Enzyme System. Journal of the American Chemical Society, 2015, 137, 13957-13963.	13.7	106
225	Nongenetic Approach for Imaging Protein Dimerization by Aptamer Recognition and Proximity-Induced DNA Assembly. Journal of the American Chemical Society, 2018, 140, 4186-4190.	13.7	106
226	Cell imaging of dopamine receptor using agonist labeling iridium(<scp>iii</scp>) complex. Chemical Science, 2018, 9, 1119-1125.	7.4	106
227	Elucidation and Structural Modeling of CD71 as a Molecular Target for Cell-Specific Aptamer Binding. Journal of the American Chemical Society, 2019, 141, 10760-10769.	13.7	106
228	Applications of aptamers in cancer cell biology. Analytica Chimica Acta, 2008, 621, 101-108.	5.4	105
229	Single-DNA Molecule Nanomotor Regulated by Photons. Nano Letters, 2009, 9, 2690-2696.	9.1	104
230	A label-free aptasensor for highly sensitive detection of ATP and thrombin based on metal-enhanced PicoGreen fluorescence. Biosensors and Bioelectronics, 2015, 63, 172-177.	10.1	104
231	Universal Surface-Enhanced Raman Scattering Amplification Detector for Ultrasensitive Detection of Multiple Target Analytes. Analytical Chemistry, 2014, 86, 2205-2212.	6.5	103
232	Two-Photon Graphene Oxide/Aptamer Nanosensing Conjugate for In Vitro or In Vivo Molecular Probing. Analytical Chemistry, 2014, 86, 3548-3554.	6.5	101
233	Self-Assembled DNA Immunonanoflowers as Multivalent CpG Nanoagents. ACS Applied Materials & Interfaces, 2015, 7, 24069-24074.	8.0	101
234	Study of the Molecular Recognition of Aptamers Selected through Ovarian Cancer Cell-SELEX. PLoS ONE, 2010, 5, e13770.	2.5	101

#	Article	IF	Citations
235	In vivo Fluorescence Imaging of Tumors using Molecular Aptamers Generated by Cellâ€SELEX. Chemistry - an Asian Journal, 2010, 5, 2209-2213.	3.3	100
236	Aptamer-Conjugated Multifunctional Nanoflowers as a Platform for Targeting, Capture, and Detection in Laser Desorption Ionization Mass Spectrometry. ACS Nano, 2013, 7, 417-427.	14.6	100
237	Targeted Delivery of Chemotherapy Agents Using a Liver Cancer-Specific Aptamer. PLoS ONE, 2012, 7, e33434.	2.5	99
238	In vivo activation of pH-responsive oxidase-like graphitic nanozymes for selective killing of Helicobacter pylori. Nature Communications, 2021, 12, 2002.	12.8	99
239	In Vitro Selection of DNA Aptamers to Glioblastoma Multiforme. ACS Chemical Neuroscience, 2011, 2, 175-181.	3.5	98
240	DNA Aptamers as Molecular Probes for Colorectal Cancer Study. PLoS ONE, 2010, 5, e14269.	2.5	97
241	Molecular Beacon-Based Junction Probes for Efficient Detection of Nucleic Acids via a True Target-Triggered Enzymatic Recycling Amplification. Analytical Chemistry, 2011, 83, 14-17.	6.5	97
242	Gold nanorod-photosensitizer conjugate with extracellular pH-driven tumor targeting ability for photothermal/photodynamic therapy. Nano Research, 2014, 7, 1291-1301.	10.4	97
243	Modulating Aptamer Specificity with pH-Responsive DNA Bonds. Journal of the American Chemical Society, 2018, 140, 13335-13339.	13.7	97
244	In Vivo Monocyte/Macrophage-Hitchhiked Intratumoral Accumulation of Nanomedicines for Enhanced Tumor Therapy. Journal of the American Chemical Society, 2020, 142, 382-391.	13.7	97
245	Rapid One-Pot Detection of SARS-CoV-2 Based on a Lateral Flow Assay in Clinical Samples. Analytical Chemistry, 2021, 93, 3325-3330.	6.5	97
246	Self-assembled multifunctional DNA nanoflowers for the circumvention of multidrug resistance in targeted anticancer drug delivery. Nano Research, 2015, 8, 3447-3460.	10.4	95
247	A cascade reaction network mimicking the basic functional steps of adaptive immune response. Nature Chemistry, 2015, 7, 835-841.	13.6	95
248	Fabrication of Graphene-isolated-Au-nanocrystal Nanostructures for Multimodal Cell Imaging and Photothermal-enhanced Chemotherapy. Scientific Reports, 2014, 4, 6093.	3.3	95
249	Rapid One-Step Detection of Viral Particles Using an Aptamer-Based Thermophoretic Assay. Journal of the American Chemical Society, 2021, 143, 7261-7266.	13.7	94
250	Molecular-beacon-based array for sensitive DNA analysis. Analytical Biochemistry, 2004, 331, 216-223.	2.4	93
251	DNA Branch Migration Reactions Through Photocontrollable Toehold Formation. Journal of the American Chemical Society, 2013, 135, 7967-7973.	13.7	93
252	Aptamers: versatile molecular recognition probes for cancer detection. Analyst, The, 2016, 141, 403-415.	3.5	93

#	Article	IF	Citations
253	Molecularly Engineering Triptolide with Aptamers for High Specificity and Cytotoxicity for Triple-Negative Breast Cancer. Journal of the American Chemical Society, 2020, 142, 2699-2703.	13.7	93
254	Silver Nanoparticle Gated, Mesoporous Silica Coated Gold Nanorods (AuNR@MS@AgNPs): Low Premature Release and Multifunctional Cancer Theranostic Platform. ACS Applied Materials & Interfaces, 2015, 7, 6211-6219.	8.0	92
255	Ratiometric Two-Photon Fluorescent Probe for in Vivo Hydrogen Polysulfides Detection and Imaging during Lipopolysaccharide-Induced Acute Organs Injury. Analytical Chemistry, 2016, 88, 11892-11899.	6.5	92
256	Time-Gated Imaging of Latent Fingerprints and Specific Visualization of Protein Secretions via Molecular Recognition. Analytical Chemistry, 2017, 89, 12764-12770.	6.5	92
257	Fluorescence lifetime measurements to determine the coreâ€“shell nanostructure of FITC-doped silica nanoparticles: An optical approach to evaluate nanoparticle photostability. Journal of Luminescence, 2006, 117, 75-82.	3.1	91
258	A Spherical Nucleic Acid Platform Based on Self-Assembled DNA Biopolymer for High-Performance Cancer Therapy. ACS Nano, 2013, 7, 6545-6554.	14.6	91
259	Supramolecularly Engineered Circular Bivalent Aptamer for Enhanced Functional Protein Delivery. Journal of the American Chemical Society, 2018, 140, 6780-6784.	13.7	91
260	Mapping Receptor Density on Live Cells by Using Fluorescence Correlation Spectroscopy. Chemistry - A European Journal, 2009, 15, 5327-5336.	3.3	90
261	Engineering a Cell-Surface Aptamer Circuit for Targeted and Amplified Photodynamic Cancer Therapy. ACS Nano, 2013, 7, 2312-2319.	14.6	90
262	Engineering Aptamer with Enhanced Affinity by Triple Helix-Based Terminal Fixation. Journal of the American Chemical Society, 2019, 141, 17493-17497.	13.7	90
263	Engineering a Secondâ€Order DNA Logicâ€Gated Nanorobot to Sense and Release on Live Cell Membranes for Multiplexed Diagnosis and Synergistic Therapy. Angewandte Chemie - International Edition, 2021, 60, 15816-15820.	13.8	90
264	A Novel Fluorescent Label Based on Organic Dye-Doped Silica Nanoparticles for HepG Liver Cancer Cell Recognition. Journal of Nanoscience and Nanotechnology, 2004, 4, 585-589.	0.9	89
265	Superior structure stability and selectivity of hairpin nucleic acid probes with an L-DNA stem. Nucleic Acids Research, 2007, 35, 7279-7287.	14.5	89
266	Colorimetric logic gates based on aptamer-crosslinked hydrogels. Chemical Communications, 2012, 48, 1248-1250.	4.1	89
267	Thiolâ€“ene click chemistry: a biocompatible way for orthogonal bioconjugation of colloidal nanoparticles. Chemical Science, 2017, 8, 6182-6187.	7.4	89
268	Nanoparticles for multiplex diagnostics and imaging. Nanomedicine, 2006, 1, 413-426.	3.3	88
269	A Novel Aptamer Developed for Breast Cancer Cell Internalization. ChemMedChem, 2012, 7, 79-84.	3.2	88
270	Identification of Cell Membrane Protein Stress-Induced Phosphoprotein 1 as a Potential Ovarian Cancer Biomarker Using Aptamers Selected by Cell Systematic Evolution of Ligands by Exponential Enrichment. Analytical Chemistry, 2014, 86, 4521-4527.	6.5	88

#	Article	IF	Citations
271	Nucleic Acids Analysis. Science China Chemistry, 2021, 64, 171-203.	8.2	88
272	Imaging Single Fluorescent Molecules at the Interface of an Optical Fiber Probe by Evanescent Wave Excitation. Analytical Chemistry, 1999, 71, 3101-3105.	6.5	87
273	Simultaneous Monitoring of the Expression of Multiple Genes Inside of Single Breast Carcinoma Cells. Analytical Chemistry, 2005, 77, 4713-4718.	6.5	87
274	Detection of Lysozyme Magnetic Relaxation Switches Based on Aptamer-Functionalized Superparamagnetic Nanoparticles. Analytical Chemistry, 2011, 83, 7795-7799.	6.5	86
275	Peer Reviewed: Molecular Beacons: Novel Fluorescent Probes. Analytical Chemistry, 2000, 72, 747 A-753 A.	6.5	85
276	New Strategy for Label-Free and Time-Resolved Luminescent Assay of Protein: Conjugate Eu3+Complex and Aptamer-Wrapped Carbon Nanotubes. Analytical Chemistry, 2011, 83, 782-789.	6.5	85
277	Facile Phase Transfer and Surface Biofunctionalization of Hydrophobic Nanoparticles Using Janus DNA Tetrahedron Nanostructures. Journal of the American Chemical Society, 2015, 137, 11210-11213.	13.7	85
278	A novel SERS nanoprobe for the ratiometric imaging of hydrogen peroxide in living cells. Chemical Communications, 2016, 52, 8553-8556.	4.1	85
279	Bioapplications of Cell-SELEX-Generated Aptamers in Cancer Diagnostics, Therapeutics, Theranostics and Biomarker Discovery: A Comprehensive Review. Cancers, 2018, 10, 47.	3.7	85
280	Hypoxia-Activated PEGylated Conditional Aptamer/Antibody for Cancer Imaging with Improved Specificity. Journal of the American Chemical Society, 2019, 141, 18421-18427.	13.7	85
281	Plasmonic AuPt@CuS Heterostructure with Enhanced Synergistic Efficacy for Radiophotothermal Therapy. Journal of the American Chemical Society, 2021, 143, 16113-16127.	13.7	85
282	Aptamer-assisted tumor localization of bacteria for enhanced biotherapy. Nature Communications, 2021, 12, 6584.	12.8	85
283	A delivery system specifically approaching bone resorption surfaces to facilitate therapeutic modulation of microRNAs in osteoclasts. Biomaterials, 2015, 52, 148-160.	11.4	84
284	Visualization of Endoplasmic Reticulum Aminopeptidase 1 under Different Redox Conditions with a Two-Photon Fluorescent Probe. Analytical Chemistry, 2017, 89, 7641-7648.	6.5	83
285	In vivo therapeutic response monitoring by a self-reporting upconverting covalent organic framework nanoplatform. Chemical Science, 2020, 11, 1299-1306.	7.4	83
286	Selfâ€Assembly of a Bifunctional DNA Carrier for Drug Delivery. Angewandte Chemie - International Edition, 2011, 50, 6098-6101.	13.8	82
287	Nâ€Heterocyclic Carbeneâ€“Gold(I) Complexes Conjugated to a Leukemiaâ€Specific DNA Aptamer for Targeted Drug Delivery. Angewandte Chemie - International Edition, 2016, 55, 8889-8893.	13.8	82
288	Single-walled carbon nanotubes as optical materials for biosensing. Nanoscale, 2011, 3, 1949.	5.6	79

#	Article	IF	Citations
289	Rhodamine-based fluorescent probe for direct bio-imaging of lysosomal pH changes. Talanta, 2014, 130, 356-362.	5.5	79
290	Through-Bond Energy Transfer-Based Ratiometric Two-Photon Probe for Fluorescent Imaging of Pd²⁺ Ions in Living Cells and Tissues. Analytical Chemistry, 2015, 87, 4503-4507.	6.5	79
291	DNA-Based Dynamic Reaction Networks. Trends in Biochemical Sciences, 2018, 43, 547-560.	7.5	79
292	Aptamers against Cells Overexpressing Glypicanâ€…3 from Expanded Genetic Systems Combined with Cell Engineering and Laboratory Evolution. Angewandte Chemie - International Edition, 2016, 55, 12372-12375.	13.8	78
293	Versatile surface engineering of porous nanomaterials with bioinspired polyphenol coatings for targeted and controlled drug delivery. Nanoscale, 2016, 8, 8600-8606.	5.6	78
294	Construction of self-powered cytosensing device based on ZnO nanodisks@g-C3N4 quantum dots and application in the detection of CCRF-CEM cells. Nano Energy, 2018, 46, 101-109.	16.0	78
295	Size-Tunable Assemblies Based on Ferrocene-Containing DNA Polymers for Spatially Uniform Penetration. CheM, 2019, 5, 1775-1792.	11.7	78
296	On-Site Colorimetric Detection of Cholesterol Based on Polypyrrole Nanoparticles. ACS Applied Materials & Interfaces, 2020, 12, 54426-54432.	8.0	78
297	DNA-Based Dynamic Mimicry of Membrane Proteins for Programming Adaptive Cellular Interactions. Journal of the American Chemical Society, 2021, 143, 4585-4592.	13.7	78
298	Luminescent Nanoparticle Probes for Bioimaging. Journal of Nanoscience and Nanotechnology, 2004, 4, 590-599.	0.9	77
299	Design of a Modular-Based Fluorescent Conjugated Polymer for Selective Sensing. Angewandte Chemie - International Edition, 2004, 43, 5635-5638.	13.8	77
300	Synthesis and investigation of deoxyribonucleic acid/locked nucleic acid chimeric molecular beacons. Nucleic Acids Research, 2007, 35, 4030-4041.	14.5	77
301	A simple but highly sensitive and selective colorimetric and fluorescent probe for Cu2+ in aqueous media. Analyst, The, 2011, 136, 1124.	3.5	77
302	Double-strand DNA-templated formation of copper nanoparticles as fluorescent probe for label free nuclease enzymedetection. Biosensors and Bioelectronics, 2013, 42, 31-35.	10.1	77
303	Selective Imaging and Inactivation of Bacteria over Mammalian Cells by Imidazolium-Substituted Polythiophene. Chemistry of Materials, 2017, 29, 6389-6395.	6.7	77
304	Nucleic Acid Beacons for Long-Term Real-Time Intracellular Monitoring. Analytical Chemistry, 2008, 80, 3025-3028.	6.5	76
305	Nanoparticle-Mediated IgEâ”Receptor Aggregation and Signaling in RBL Mast Cells. Journal of the American Chemical Society, 2009, 131, 17328-17334.	13.7	76
306	Enrichment and Detection of Rare Proteins with Aptamer-Conjugated Gold Nanorods. Analytical Chemistry, 2012, 84, 6008-6015.	6.5	76

#	Article	IF	Citations
307	Self-assembled hybrid nanoparticles for targeted co-delivery of two drugs into cancer cells. Chemical Communications, 2014, 50, 3103.	4.1	76
308	Unimolecular Catalytic DNA Biosensor for Amplified Detection ofl-Histidine via an Enzymatic Recycling Cleavage Strategy. Analytical Chemistry, 2011, 83, 7603-7607.	6.5	75
309	Progress and Challenges in Developing Aptamer-Functionalized Targeted Drug Delivery Systems. International Journal of Molecular Sciences, 2015, 16, 23784-23822.	4.1	75
310	A Smart Photosensitizerâ€“Manganese Dioxide Nanosystem for Enhanced Photodynamic Therapy by Reducing Glutathione Levels in Cancer Cells. Angewandte Chemie, 2016, 128, 5567-5572.	2.0	75
311	A basic insight into aptamer-drug conjugates (ApDCs). Biomaterials, 2018, 182, 216-226.	11.4	75
312	Phosphorylated lipid-conjugated oligonucleotide selectively anchors on cell membranes with high alkaline phosphatase expression. Nature Communications, 2019, 10, 2704.	12.8	75
313	Facile approach to prepare HSA-templated MnO2 nanosheets as oxidase mimic for colorimetric detection of glutathione. Talanta, 2019, 195, 40-45.	5.5	75
314	A Selective Optode Membrane for Histidine Based on Fluorescence Enhancement of Mesoâ^'Meso-Linked Porphyrin Dimer. Analytical Chemistry, 2002, 74, 1088-1096.	6.5	74
315	BSA modification to reduce CTAB induced nonspecificity and cytotoxicity of aptamer-conjugated gold nanorods. Nanoscale, 2015, 7, 10240-10248.	5.6	74
316	Ostwald Ripening-Mediated Grafting of Metalâ€“Organic Frameworks on a Single Colloidal Nanocrystal to Form Uniform and Controllable MXF. Journal of the American Chemical Society, 2019, 141, 7407-7413.	13.7	74
317	Reversible molecular switching of molecular beacon: controlling DNA hybridization kinetics and thermodynamics using mercury(ii) ions. Chemical Communications, 2009, , 322-324.	4.1	73
318	An efficient rhodamine thiospirolactam-based fluorescent probe for detection of Hg²⁺in aqueous samples. Analyst, The, 2012, 137, 932-938.	3.5	73
319	Target-Triggered Cyclic Assembly of DNAâ€“Protein Hybrid Nanowires for Dual-Amplified Fluorescence Anisotropy Assay of Small Molecules. Analytical Chemistry, 2013, 85, 11518-11523.	6.5	73
320	Engineering and applications of DNA-grafted polymer materials. Chemical Science, 2013, 4, 1928.	7.4	72
321	An efficient two-photon fluorescent probe for monitoring mitochondrial singlet oxygen in tissues during photodynamic therapy. Chemical Communications, 2016, 52, 12330-12333.	4.1	72
322	DNA-based artificial molecular signaling system that mimics basic elements of reception and response. Nature Communications, 2020, 11, 978.	12.8	72
323	Real-time monitoring of nucleic acid ligation in homogenous solutions using molecular beacons. Nucleic Acids Research, 2003, 31, 148e-148.	14.5	71
324	A highly sensitive and reductant-resistant fluorescent probe for nitroxyl in aqueous solution and serum. Chemical Communications, 2014, 50, 5790.	4.1	71

#	Article	IF	Citations
325	Metabolic Labeling of Peptidoglycan with NIRâ€‖ Dye Enables In Vivo Imaging of Gut Microbiota. Angewandte Chemie - International Edition, 2020, 59, 2628-2633.	13.8	71
326	Highly fluorescent dye-doped silica nanoparticles increase flow cytometry sensitivity for cancer cell monitoring. Nano Research, 2009, 2, 448-461.	10.4	70
327	Competition-Mediated Pyrene-Switching Aptasensor: Probing Lysozyme in Human Serum with a Monomer-Excimer Fluorescence Switch. Analytical Chemistry, 2010, 82, 10158-10163.	6.5	70
328	Aptamerâ€Assembled Nanomaterials for Biosensing and Biomedical Applications. Small, 2011, 7, 2428-2436.	10.0	70
329	A Synthetic Aptamer-Drug Adduct for Targeted Liver Cancer Therapy. PLoS ONE, 2015, 10, e0136673.	2.5	70
330	Investigation of Molecular Beacon Aptamer-Based Bioassay for Platelet-Derived Growth Factor Detection. ChemBioChem, 2005, 6, 900-907.	2.6	69
331	Building a Nanostructure with Reversible Motions Using Photonic Energy. ACS Nano, 2012, 6, 7935-7941.	14.6	69
332	Multiple Functional Nanoprobe for Contrast-Enhanced Bimodal Cellular Imaging and Targeted Therapy. Analytical Chemistry, 2015, 87, 4448-4454.	6.5	69
333	Generating Cell Targeting Aptamers for Nanotheranostics Using Cell-SELEX. Theranostics, 2016, 6, 1440-1452.	10.0	69
334	Trioctylphosphine as Both Solvent and Stabilizer to Synthesize CdS Nanorods. Nanoscale Research Letters, 2009, 4, 1159-1165.	5.7	68
335	Engineering DNA aptamers for novel analytical and biomedical applications. Chemical Science, 2011, 2, 1003.	7.4	68
336	Aptamer-Nanoparticle Assembly for Logic-Based Detection. ACS Applied Materials & Interfaces, 2012, 4, 3007-3011.	8.0	68
337	A FRET-based ratiometric two-photon fluorescent probe for dual-channel imaging of nitroxyl in living cells and tissues. Chemical Communications, 2016, 52, 733-736.	4.1	68
338	Facile Assembly/Disassembly of DNA Nanostructures Anchored on Cell-Mimicking Giant Vesicles. Journal of the American Chemical Society, 2017, 139, 12410-12413.	13.7	68
339	MicroRNA-Initiated and Intracellular Na⁺-Fueled DNAzyme Motor for Differentiating Molecular Subtypes of Nonsmall Cell Lung Cancer. Analytical Chemistry, 2020, 92, 7404-7408.	6.5	68
340	Ultrasensitive Optical DNA Biosensor Based on Surface Immobilization of Molecular Beacon by a Bridge Structure.. Analytical Sciences, 2001, 17, 1149-1153.	1.6	67
341	Monitoring Molecular Beacon DNA Probe Hybridization at the Single-Molecule Level. Chemistry - A European Journal, 2003, 9, 5686-5692.	3.3	67
342	Combination of DNA Ligase Reaction and Gold Nanoparticle-Quenched Fluorescent Oligonucleotides: A Simple and Efficient Approach for Fluorescent Assaying of Single-Nucleotide Polymorphisms. Analytical Chemistry, 2010, 82, 7684-7690.	6.5	67

#	Article	IF	Citations
343	A survey of advancements in nucleic acid-based logic gates and computing for applications in biotechnology and biomedicine. Chemical Communications, 2015, 51, 3723-3734.	4.1	67
344	Naked eye detection of multiple tumor-related mRNAs from patients with photonic-crystal micropattern supported dual-modal upconversion bioprobes. Chemical Science, 2017, 8, 466-472.	7.4	67
345	Silencing of PTK7 in Colon Cancer Cells: Caspase-10-Dependent Apoptosis via Mitochondrial Pathway. PLoS ONE, 2010, 5, e14018.	2.5	67
346	Aptamers Recognizing Glycosylated Hemagglutinin Expressed on the Surface of Vaccinia Virus-Infected Cells. Analytical Chemistry, 2010, 82, 8642-8649.	6.5	66
347	Nucleic Acid Aptamerâ€Mediated Drug Delivery for Targeted Cancer Therapy. ChemMedChem, 2015, 10, 39-45.	3.2	66
348	Functional Aptamer-Embedded Nanomaterials for Diagnostics and Therapeutics. ACS Applied Materials & Interfaces, 2021, 13, 9542-9560.	8.0	66
349	Folate Conjugated Fluorescent Silica Nanoparticles for Labeling Neoplastic Cells. Journal of Nanoscience and Nanotechnology, 2005, 5, 899-904.	0.9	65
350	Cell Specific Aptamerâ€“Photosensitizer Conjugates as a Molecular Tool in Photodynamic Therapy. ChemMedChem, 2008, 3, 425-428.	3.2	65
351	Biostable L-DNAzyme for Sensing of Metal Ions in Biological Systems. Analytical Chemistry, 2016, 88, 1850-1855.	6.5	65
352	Circular Bispecific Aptamer-Mediated Artificial Intercellular Recognition for Targeted T Cell Immunotherapy. ACS Nano, 2020, 14, 9562-9571.	14.6	65
353	Aptamer-Pendant DNA Tetrahedron Nanostructure Probe for Ultrasensitive Detection of Tetracycline by Coupling Target-Triggered Rolling Circle Amplification. ACS Applied Materials & Interfaces, 2021, 13, 19695-19700.	8.0	65
354	Combination of Ï€â€“Ï€ stacking and electrostatic repulsion between carboxylic carbon nanoparticles and fluorescent oligonucleotides for rapid and sensitive detection of thrombin. Chemical Communications, 2011, 47, 11321.	4.1	64
355	Activatable Two-Photon Fluorescence Nanoprobe for Bioimaging of Glutathione in Living Cells and Tissues. Analytical Chemistry, 2014, 86, 12321-12326.	6.5	64
356	Smart Humanâ€Serumâ€Albuminâ€“As₂O₃ Nanodrug with Selfâ€Amplified Folate Receptorâ€Targeting Ability for Chronic Myeloid Leukemia Treatment. Angewandte Chemie - International Edition, 2017, 56, 10845-10849.	13.8	64
357	Enhanced in Vivo Bloodâ€“Brain Barrier Penetration by Circular Tauâ€“Transferrin Receptor Bifunctional Aptamer for Tauopathy Therapy. Journal of the American Chemical Society, 2020, 142, 3862-3872.	13.7	64
358	Integrating DNA Nanotechnology with Aptamers for Biological and Biomedical Applications. Matter, 2021, 4, 461-489.	10.0	64
359	Aptamer-Based Logic Computing Reaction on Living Cells to Enable Non-Antibody Immune Checkpoint Blockade Therapy. Journal of the American Chemical Society, 2021, 143, 8391-8401.	13.7	64
360	Aptamers selected by cell-SELEX for application in cancer studies. Bioanalysis, 2010, 2, 907-918.	1.5	63

#	Article	IF	Citations
361	A two-photon fluorescent probe for bio-imaging of formaldehyde in living cells and tissues. Analyst, The, 2016, 141, 3395-3402.	3.5	63
362	Direct Fluorescent Detection of Blood Potassium by Ion-Selective Formation of Intermolecular G-Quadruplex and Ligand Binding. Analytical Chemistry, 2016, 88, 9285-9292.	6.5	63
363	HDAC2 inhibits EMT-mediated cancer metastasis by downregulating the long noncoding RNA H19 in colorectal cancer. Journal of Experimental and Clinical Cancer Research, 2020, 39, 270.	8.6	63
364	Selfâ€Assembled Aptamerâ€Based Drug Carriers for Bispecific Cytotoxicity to Cancer Cells. Chemistry - an Asian Journal, 2012, 7, 1630-1636.	3.3	62
365	Aptamerâ€Conjugated Nanorods for Targeted Photothermal Therapy of Prostate Cancer Stem Cells. Chemistry - an Asian Journal, 2013, 8, 2417-2422.	3.3	62
366	Nucleic acid-functionalized transition metal nanosheets for biosensing applications. Biosensors and Bioelectronics, 2017, 89, 201-211.	10.1	62
367	Enhanced surface plasmon resonance with the modified catalytic growth of Au nanoparticles. Biosensors and Bioelectronics, 2007, 22, 1106-1110.	10.1	61
368	Engineering Polymeric Aptamers for Selective Cytotoxicity. Journal of the American Chemical Society, 2011, 133, 13380-13386.	13.7	61
369	Aptamer-functionalized nano/micro-materials for clinical diagnosis: isolation, release and bioanalysis of circulating tumor cells. Integrative Biology (United Kingdom), 2017, 9, 188-205.	1.3	61
370	A Smart, Photocontrollable Drug Release Nanosystem for Multifunctional Synergistic Cancer Therapy. ACS Applied Materials & Interfaces, 2017, 9, 5847-5854.	8.0	61
371	Advances in the development of aptamer drug conjugates for targeted drug delivery. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2017, 9, e1438.	6.1	61
372	An Aptamerâ€Nanotrain Assembled from Sixâ€Letter DNA Delivers Doxorubicin Selectively to Liver Cancer Cells. Angewandte Chemie - International Edition, 2020, 59, 663-668.	13.8	61
373	Real-time monitoring of uracil removal by uracilâ€“DNA glycosylase using fluorescent resonance energy transfer probes. Analytical Biochemistry, 2007, 366, 237-243.	2.4	60
374	An exonuclease III and graphene oxide-aided assay for DNA detection. Biosensors and Bioelectronics, 2012, 35, 475-478.	10.1	60
375	A vitamin-responsive mesoporous nanocarrier with DNA aptamer-mediated cell targeting. Chemical Communications, 2013, 49, 5823.	4.1	60
376	Localizable and Photoactivatable Fluorophore for Spatiotemporal Two-Photon Bioimaging. Analytical Chemistry, 2015, 87, 5626-5631.	6.5	60
377	Monitoring Telomerase Activity in Living Cells with High Sensitivity Using Cascade Amplification Reaction-Based Nanoprobe. Analytical Chemistry, 2019, 91, 13143-13151.	6.5	60
378	Molecular Beacons: Fluorogenic Probes for Living Cell Study. Cell Biochemistry and Biophysics, 2002, 37, 071-082.	1.8	59

#	Article	IF	Citations
379	Bioconjugated Luminescent Nanoparticles for Biological Applications. Journal of Dispersion Science and Technology, 2003, 24, 453-464.	2.4	59
380	Molecular Beacon DNA Probes and Their Bioanalytical Applications. Applied Spectroscopy, 2004, 58, 269A-280A.	2.2	59
381	CD109 is identified as a potential nasopharyngeal carcinoma biomarker using aptamer selected by cell-SELEX. Oncotarget, 2016, 7, 55328-55342.	1.8	59
382	Quench-Shield Ratiometric Upconversion Luminescence Nanoplatform for Biosensing. Analytical Chemistry, 2016, 88, 1639-1646.	6.5	59
383	Molecular Engineeringâ€Based Aptamerâ€“Drug Conjugates with Accurate Tunability of Drug Ratios for Drug Combination Targeted Cancer Therapy. Angewandte Chemie - International Edition, 2019, 58, 11661-11665.	13.8	59
384	E-jet 3D printed drug delivery implants to inhibit growth and metastasis of orthotopic breast cancer. Biomaterials, 2020, 230, 119618.	11.4	59
385	Magnetism-Resolved Separation and Fluorescence Quantification for Near-Simultaneous Detection of Multiple Pathogens. Analytical Chemistry, 2018, 90, 9621-9628.	6.5	58
386	Floxuridine Homomeric Oligonucleotides â€œHitchhikeâ€•with Albumin Inâ€…Situ for Cancer Chemotherapy. Angewandte Chemie - International Edition, 2018, 57, 8994-8997.	13.8	58
387	Versatilein situsynthesis of MnO₂nanolayers on upconversion nanoparticles and their application inÂactivatable fluorescence and MRI imaging. Chemical Science, 2018, 9, 5427-5434.	7.4	57
388	A Hydrophobic Sisal Cellulose Microcrystal Film for Fire Alarm Sensors. Nano Letters, 2021, 21, 2104-2110.	9.1	57
389	Preparation of luminescent Cy5 doped core-shell SFNPs and its application as a near-infrared fluorescent marker. Talanta, 2007, 72, 1519-1526.	5.5	56
390	Molecular engineering of photoresponsive three-dimensional DNA nanostructures. Chemical Communications, 2011, 47, 4670.	4.1	56
391	One-Step Facile Surface Engineering of Hydrophobic Nanocrystals with Designer Molecular Recognition. Journal of the American Chemical Society, 2012, 134, 13164-13167.	13.7	56
392	DLISA: A DNAzyme-Based ELISA for Protein Enzyme-Free Immunoassay of Multiple Analytes. Analytical Chemistry, 2015, 87, 7746-7753.	6.5	56
393	Spherical Neutralizing Aptamer Inhibits SARS-CoV-2 Infection and Suppresses Mutational Escape. Journal of the American Chemical Society, 2021, 143, 21541-21548.	13.7	56
394	A colorimetric smartphone-based platform for pesticides detection using Fe-N/C single-atom nanozyme as oxidase mimetics. Journal of Hazardous Materials, 2022, 436, 129199.	12.4	56
395	CdSe quantum dots decorated by mercaptosuccinic acid as fluorescence probe for Cu2+. Journal of Luminescence, 2011, 131, 947-951.	3.1	55
396	Cell-SELEX Aptamer for Highly Specific Radionuclide Molecular Imaging of Glioblastoma In Vivo. PLoS ONE, 2014, 9, e90752.	2.5	55

#	Article	IF	Citations
397	ICG-Conjugated magnetic graphene oxide for dual photothermal and photodynamic therapy. RSC Advances, 2016, 6, 30285-30292.	3.6	55
398	Size-selective molecular recognition based on a confined DNA molecular sieve using cavity-tunable framework nucleic acids. Nature Communications, 2020, 11, 1518.	12.8	55
399	Aptamer-based analysis of angiogenin by fluorescence anisotropy. Analyst, The, 2007, 132, 107-113.	3.5	54
400	Silver Ions-Mediated Conformational Switch: Facile Design of Structure-Controllable Nucleic Acid Probes. Analytical Chemistry, 2010, 82, 6607-6612.	6.5	54
401	Stable Graphene-Isolated-Au-Nanocrystal for Accurate and Rapid Surface Enhancement Raman Scattering Analysis. Analytical Chemistry, 2016, 88, 10611-10616.	6.5	54
402	Tumor microenvironment (TME)-activatable circular aptamer-PEG as an effective hierarchical-targeting molecular medicine for photodynamic therapy. Biomaterials, 2020, 246, 119971.	11.4	54
403	Molecular recognition of live methicillin-resistant staphylococcus aureus cells using DNA aptamers. World Journal of Translational Medicine, 2013, 2, 67.	3.5	54
404	Photon-Regulated DNA-Enzymatic Nanostructures by Molecular Assembly. ACS Nano, 2011, 5, 10090-10095.	14.6	53
405	A nanoscale DNAâ€“Au dendrimer as a signal amplifier for the universal design of functional DNA-based SERS biosensors. Chemical Communications, 2011, 47, 3840.	4.1	53
406	Impaired wound healing results from the dysfunction of the Akt/mTOR pathway in diabetic rats. Journal of Dermatological Science, 2015, 79, 241-251.	1.9	53
407	Functionalized nanoparticles for liquid atmospheric pressure matrix-assisted laser desorption/ionization peptide analysis. Rapid Communications in Mass Spectrometry, 2004, 18, 2367-2374.	1.5	52
408	Immunofluorescent labeling of cancer cells with quantum dots synthesized in aqueous solution. Analytical Biochemistry, 2006, 354, 169-174.	2.4	52
409	An antisense oligonucleotide carrier based on amino silica nanoparticles for antisense inhibition of cancer cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2006, 2, 113-120.	3.3	52
410	A novel kinase-based ATP assay using molecular beacon. Analytical Biochemistry, 2008, 372, 131-133.	2.4	52
411	Aptamer-incorporated hydrogels for visual detection, controlled drug release, and targeted cancer therapy. Analytical and Bioanalytical Chemistry, 2012, 402, 187-194.	3.7	52
412	Supramolecular assembly of enzyme on functionalized graphene for electrochemical biosensing. Biosensors and Bioelectronics, 2013, 45, 102-107.	10.1	52
413	Artificial Base zT as Functional â€œElementâ€•for Constructing Photoresponsive DNA Nanomolecules. Journal of the American Chemical Society, 2017, 139, 9104-9107.	13.7	52
414	Sequential Protein-Responsive Nanophotosensitizer Complex for Enhancing Tumor-Specific Therapy. ACS Nano, 2019, 13, 6702-6710.	14.6	52

#	Article	IF	Citations
415	Fluorescent assay of DNA hybridization with label-free molecular switch: reducing background-signal and improving specificity by using carbon nanotubes. Chemical Communications, 2009, , 665.	4.1	51
416	Design of a Room-Temperature Phosphorescence-Based Molecular Beacon for Highly Sensitive Detection of Nucleic Acids in Biological Fluids. Analytical Chemistry, 2011, 83, 1356-1362.	6.5	51
417	Fabrication of Versatile Cyclodextrin-Functionalized Upconversion Luminescence Nanoplatform for Biomedical Imaging. Analytical Chemistry, 2014, 86, 6508-6515.	6.5	51
418	Stable DNA Nanomachine Based on Duplexâ€“Triplex Transition for Ratiometric Imaging Instantaneous pH Changes in Living Cells. Analytical Chemistry, 2015, 87, 5854-5859.	6.5	51
419	In vivo imaging of alkaline phosphatase in tumor-bearing mouse model by a promising near-infrared fluorescent probe. Talanta, 2017, 175, 421-426.	5.5	51
420	Isotopic grapheneâ€“isolated-Au-nanocrystals with cellular Raman-silent signals for cancer cell pattern recognition. Chemical Science, 2018, 9, 2842-2849.	7.4	51
421	Aptamer Displacement Reaction from Live-Cell Surfaces and Its Applications. Journal of the American Chemical Society, 2019, 141, 17174-17179.	13.7	51
422	DNA origami-based protein networks: from basic construction to emerging applications. Chemical Society Reviews, 2021, 50, 1846-1873.	38.1	51
423	Neurotransmitter Imaging in Living Cells Based on Native Fluorescence Detection. Analytical Chemistry, 1995, 67, 2575-2579.	6.5	50
424	Plasmid DNA isolation using amino-silica coated magnetic nanoparticles (ASMNPs). Talanta, 2007, 73, 764-769.	5.5	50
425	Magnetic-Encoded Fluorescent Multifunctional Nanospheres for Simultaneous Multicomponent Analysis. Analytical Chemistry, 2014, 86, 9434-9442.	6.5	50
426	A label-free DNAzyme fluorescence biosensor for amplified detection of Pb2+-based on cleavage-induced G-quadruplex formation. Talanta, 2016, 147, 302-306.	5.5	50
427	Conjugating Aptamer and Mitomycin C with Reductant-Responsive Linker Leading to Synergistically Enhanced Anticancer Effect. Journal of the American Chemical Society, 2020, 142, 2532-2540.	13.7	50
428	Construction of a Polarity-Switchable Photoelectrochemical Biosensor for Ultrasensitive Detection of miRNA-141. Analytical Chemistry, 2021, 93, 13727-13733.	6.5	50
429	Using fluorescent nanoparticles and SYBR Green I based two-color flow cytometry to determine Mycobacterium tuberculosis avoiding false positives. Biosensors and Bioelectronics, 2008, 24, 626-631.	10.1	49
430	Recent Developments in Protein and Cell-Targeted Aptamer Selection and Applications. Current Medicinal Chemistry, 2011, 18, 4117-4125.	2.4	49
431	Aptamer-conjugated optical nanomaterials for bioanalysis. TrAC - Trends in Analytical Chemistry, 2012, 39, 72-86.	11.4	49
432	Cellâ€based selection provides novel molecular probes for cancer stem cells. International Journal of Cancer, 2013, 132, 2578-2588.	5.1	49

#	Article	IF	Citations
433	Cancer biomarker discovery using DNA aptamers. Analyst, The, 2016, 141, 461-466.	3.5	49
434	A two-photon fluorescent probe for endogenous superoxide anion radical detection and imaging in living cells and tissues. Sensors and Actuators B: Chemical, 2017, 250, 259-266.	7.8	49
435	Engineering Stability-Tunable DNA Micelles Using Photocontrollable Dissociation of an Intermolecular G-Quadruplex. ACS Nano, 2017, 11, 12087-12093.	14.6	49
436	Artificial Signal Feedback Network Mimicking Cellular Adaptivity. Journal of the American Chemical Society, 2019, 141, 6458-6461.	13.7	49
437	Ratiometric afterglow luminescent nanoplatform enables reliable quantification and molecular imaging. Nature Communications, 2022, 13, 2216.	12.8	49
438	Amplified detection of cocaine based on strand-displacement polymerization and fluorescence resonance energy transfer. Biosensors and Bioelectronics, 2011, 28, 450-453.	10.1	48
439	Optimization of antibody-conjugated magnetic nanoparticles for target preconcentration and immunoassays. Analytical Biochemistry, 2011, 410, 124-132.	2.4	48
440	Poly Î²-Cyclodextrin/TPdye Nanomicelle-based Two-Photon Nanoprobe for Caspase-3 Activation Imaging in Live Cells and Tissues. Analytical Chemistry, 2014, 86, 11440-11450.	6.5	48
441	Propofol Protects Against Focal Cerebral Ischemia via Inhibition of Microglia-Mediated Proinflammatory Cytokines in a Rat Model of Experimental Stroke. PLoS ONE, 2013, 8, e82729.	2.5	47
442	Using Aptamers for Cancer Biomarker Discovery. Journal of Nucleic Acids, 2013, 2013, 1-7.	1.2	47
443	Multicolor and Erasable DNA Photolithography. ACS Nano, 2014, 8, 6849-6855.	14.6	47
444	Bispyreneâ€“Fluorescein Hybrid Based FRET Cassette: A Convenient Platform toward Ratiometric Time-Resolved Probe for Bioanalytical Applications. Analytical Chemistry, 2014, 86, 10389-10396.	6.5	47
445	Cell-SELEX-based aptamer-conjugated nanomaterials for cancer diagnosis and therapy. National Science Review, 2015, 2, 71-84.	9.5	47
446	A two-photon fluorescent turn-on probe for imaging of SO2 derivatives in living cells and tissues. Analytica Chimica Acta, 2016, 937, 136-142.	5.4	47
447	Luminescent iridium(iii) complexes as COX-2-specific imaging agents in cancer cells. Chemical Communications, 2017, 53, 2822-2825.	4.1	47
448	Supramolecular assembly affording a ratiometric two-photon fluorescent nanoprobe for quantitative detection and bioimaging. Chemical Science, 2017, 8, 8214-8220.	7.4	47
449	Identification and Characterization of DNA Aptamers Specific for Phosphorylation Epitopes of Tau Protein. Journal of the American Chemical Society, 2018, 140, 14314-14323.	13.7	47
450	Portable and Label-Free Detection of Blood Bilirubin with Graphene-Isolated-Au-Nanocrystals Paper Strip. Analytical Chemistry, 2018, 90, 13687-13694.	6.5	47

#	Article	IF	Citations
451	Recent Advances in Amphiphilic Polymerâ€“Oligonucleotide Nanomaterials via Living/Controlled Polymerization Technologies. Bioconjugate Chemistry, 2019, 30, 1889-1904.	3.6	47
452	Enhancing antiâ€PDâ€1 Immunotherapy by Nanomicelles Selfâ€Assembled from Multivalent Aptamer Drug Conjugates. Angewandte Chemie - International Edition, 2021, 60, 15459-15465.	13.8	47
453	Identification of live liver cancer cells in a mixed cell system using galactose-conjugated fluorescent nanoparticles. Talanta, 2007, 71, 833-840.	5.5	46
454	Real-time monitoring of restriction endonuclease activity using molecular beacon. Analytical Biochemistry, 2007, 363, 294-296.	2.4	46
455	Nucleic acid-functionalized nanomaterials for bioimaging applications. Journal of Materials Chemistry, 2011, 21, 16323.	6.7	46
456	DNA aptamers that target human glioblastoma multiforme cells overexpressing epidermal growth factor receptor variant III in vitro. Acta Pharmacologica Sinica, 2013, 34, 1491-1498.	6.1	46
457	A rhodamine-appended water-soluble conjugated polymer: an efficient ratiometric fluorescence sensing platform for intracellular metal-ion probing. Chemical Communications, 2014, 50, 2040.	4.1	46
458	Using modified aptamers for site specific proteinâ€“aptamer conjugations. Chemical Science, 2016, 7, 2157-2161.	7.4	46
459	Identification and Application of an Aptamer Targeting Papillary Thyroid Carcinoma Using Tissue-SELEX. Analytical Chemistry, 2019, 91, 8289-8297.	6.5	46
460	Inâ€…Situ Amplificationâ€Based Imaging of RNA in Living Cells. Angewandte Chemie, 2019, 131, 11698-11709.	2.0	46
461	Learning from Artemisinin: Bioinspired Design of a Reaction-Based Fluorescent Probe for the Selective Sensing of Labile Heme in Complex Biosystems. Journal of the American Chemical Society, 2020, 142, 2129-2133.	13.7	46
462	Plasmon-Enhanced Electrochemiluminescence of PTP-Decorated Eu MOF-Based Pt-Tipped Au Bimetallic Nanorods for the Lincomycin Assay. ACS Applied Materials & Interfaces, 2022, 14, 383-389.	8.0	46
463	Exciton localization hierarchy and directed energy transfer in conjugated linear aromatic chains and dendrimeric supermolecules. Journal of Luminescence, 1998, 76-77, 193-196.	3.1	45
464	Using Luminescent Nanoparticles as Staining Probes for Affymetrix GeneChips. Bioconjugate Chemistry, 2007, 18, 610-613.	3.6	45
465	Aptamer-Modified Nanodrug Delivery Systems. ACS Nano, 2011, 5, 7696-7699.	14.6	45
466	Stable and unique graphitic Raman internal standard nanocapsules for surface-enhanced Raman spectroscopy quantitative analysis. Nano Research, 2016, 9, 1418-1425.	10.4	45
467	Multifunctional Molecular Beacon Micelles for Intracellular mRNA Imaging and Synergistic Therapy in Multidrugâ€Resistant Cancer Cells. Advanced Functional Materials, 2017, 27, 1701027.	14.9	45
468	Protocells programmed through artificial reaction networks. Chemical Science, 2020, 11, 631-642.	7.4	45

#	Article	IF	Citations
469	Using molecular beacon to monitor activity of E. coli DNA ligase. Analyst, The, 2005, 130, 350.	3.5	44
470	Fluorescent Nanoparticle-Based Indirect Immunofluorescence Microscopy for Detection ofMycobacterium tuberculosis. Journal of Biomedicine and Biotechnology, 2007, 2007, 1-9.	3.0	44
471	Using aptamers to visualize and capture cancer cells. Analytical and Bioanalytical Chemistry, 2010, 397, 3225-3233.	3.7	44
472	A highly selective ratiometric fluorescent probe for 1,4-dithiothreitol (DTT) detection. Organic and Biomolecular Chemistry, 2010, 8, 1650.	2.8	44
473	Plasma-assisted nitrogen doping of graphene-encapsulated Pt nanocrystals as efficient fuel cell catalysts. Journal of Materials Chemistry A, 2014, 2, 472-477.	10.3	44
474	Using DNA Aptamer Probe for Immunostaining of Cancer Frozen Tissues. Analytical Chemistry, 2015, 87, 1919-1924.	6.5	44
475	Ag nanocluster-based label-free catalytic and molecular beacons for amplified biosensing. Chemical Communications, 2015, 51, 12095-12098.	4.1	44
476	N-heterocyclic carbene gold(<scp>i</scp>) and silver(<scp>i</scp>) complexes bearing functional groups for bio-conjugation. Dalton Transactions, 2015, 44, 1914-1923.	3.3	44
477	In Situ Localization of Enzyme Activity in Live Cells by a Molecular Probe Releasing a Precipitating Fluorochrome. Angewandte Chemie, 2017, 129, 11950-11954.	2.0	44
478	Recent advances in organic-dye-based photoacoustic probes for biosensing and bioimaging. Science China Chemistry, 2019, 62, 1275-1285.	8.2	44
479	3D printed in vitro tumor tissue model of colorectal cancer. Theranostics, 2020, 10, 12127-12143.	10.0	44
480	Aptamer-based optical manipulation of protein subcellular localization in cells. Nature Communications, 2020, 11, 1347.	12.8	44
481	A de novo strategy to develop NIR precipitating fluorochrome for long-term in situ cell membrane bioimaging. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	44
482	Oxygen Vacancyâ€Driven Reversible Free Radical Catalysis for Environmentâ€Adaptive Cancer Chemodynamic Therapy. Angewandte Chemie - International Edition, 2021, 60, 20943-20951.	13.8	44
483	Near-Field Optical Microscopy, Spectroscopy, and Chemical Sensors. Applied Spectroscopy Reviews, 1994, 29, 39-66.	6.7	43
484	A Novel Methotrexate Delivery System Based on Chitosan-Methotrexate Covalently Conjugated Nanoparticles. Journal of Biomedical Nanotechnology, 2009, 5, 557-564.	1.1	43
485	Biosynthesis of Size-Controlled Gold Nanoparticles Using Fungus, <I>Penicillium</I> sp.. Journal of Nanoscience and Nanotechnology, 2009, 9, 5738-5744.	0.9	43
486	Bifunctional Fluoroionphore-Ionic Liquid Hybrid for Toxic Heavy Metal Ions: Improving Its Performance via the Synergistic Extraction Strategy. Analytical Chemistry, 2012, 84, 4253-4257.	6.5	43

#	Article	IF	Citations
487	Synergism of Matrix Stiffness and Vascular Endothelial Growth Factor on Mesenchymal Stem Cells for Vascular Endothelial Regeneration. Tissue Engineering - Part A, 2014, 20, 2503-2512.	3.1	43
488	Aptamer-assembled nanomaterials for fluorescent sensing and imaging. Nanophotonics, 2017, 6, 109-121.	6.0	43
489	Enhanced Targeted Gene Transduction: AAV2 Vectors Conjugated to Multiple Aptamers via Reducible Disulfide Linkages. Journal of the American Chemical Society, 2018, 140, 2-5.	13.7	43
490	Constructing Smart Protocells with Built-In DNA Computational Core to Eliminate Exogenous Challenge. Journal of the American Chemical Society, 2018, 140, 6912-6920.	13.7	43
491	Lipidâ€“oligonucleotide conjugates for bioapplications. National Science Review, 2020, 7, 1933-1953.	9.5	43
492	Imaging of peroxynitrite in drug-induced acute kidney injury with a near-infrared fluorescence and photoacoustic dual-modal molecular probe. Chemical Communications, 2020, 56, 8103-8106.	4.1	43
493	Selection and characterization of DNA aptamer for metastatic prostate cancer recognition and tissue imaging. Oncotarget, 2016, 7, 36436-36446.	1.8	43
494	Label-free dsDNA-Cu NPs-based fluorescent probe for highly sensitive detection of l-histidine. Talanta, 2013, 107, 402-407.	5.5	42
495	Cancer cell sensing and therapy using affinity tag-conjugated gold nanorods. Interface Focus, 2013, 3, 20130006.	3.0	42
496	Suppression of FOXM1 Transcriptional Activities via a Single-Stranded DNA Aptamer Generated by SELEX. Scientific Reports, 2017, 7, 45377.	3.3	42
497	A Cascade Signaling Network between Artificial Cells Switching Activity of Synthetic Transmembrane Channels. Journal of the American Chemical Society, 2021, 143, 232-240.	13.7	42
498	Molecular Beacon Based Bioassay for Highly Sensitive and Selective Detection of Nicotinamide Adenine Dinucleotide and the Activity of Alanine Aminotransferase. Analytical Chemistry, 2011, 83, 2505-2510.	6.5	41
499	Aptamer CaCO₃ Nanostructures: A Facile, pHâ€Responsive, Specific Platform for Targeted Anticancer Theranostics. Chemistry - an Asian Journal, 2015, 10, 166-171.	3.3	41
500	In situ targeted MRI detection of Helicobacter pylori with stable magnetic graphitic nanocapsules. Nature Communications, 2017, 8, 15653.	12.8	41
501	Probing intracellular dynamics in living cells with near-field optics. Journal of Neuroscience Methods, 1999, 89, 9-15.	2.5	40
502	Electrical Switching of DNA Monolayers Investigated by Surface Plasmon Resonance. Langmuir, 2006, 22, 5654-5659.	3.5	40
503	Multicolor Twoâ€Photon Nanosystem for Multiplexed Intracellular Imaging and Targeted Cancer Therapy. Angewandte Chemie - International Edition, 2021, 60, 12569-12576.	13.8	40
504	Peer Reviewed: Ultrasmall Optical Sensors for Cellular Measurements.. Analytical Chemistry, 1999, 71, 606A-612A.	6.5	39

#	Article	IF	Citations
505	Fluorophore-Free Luminescent Organosilica Nanoparticles. Langmuir, 2008, 24, 1635-1639.	3.5	39
506	Selection of Aptamers Specific for Adipose Tissue. PLoS ONE, 2012, 7, e37789.	2.5	39
507	Magnetic Graphitic Nanocapsules for Programmed DNA Fishing and Detection. Small, 2013, 9, 951-957.	10.0	39
508	Stiffening-Induced High Pulsatility Flow Activates Endothelial Inflammation via a TLR2/NF-Î ºB Pathway. PLoS ONE, 2014, 9, e102195.	2.5	39
509	Engineering DNA on the Surface of Upconversion Nanoparticles for Bioanalysis and Therapeutics. ACS Nano, 2021, 15, 17257-17274.	14.6	39
510	Stochasticity of Manganese Superoxide Dismutase mRNA Expression in Breast Carcinoma Cells by Molecular Beacon Imaging. ChemBioChem, 2005, 6, 2041-2047.	2.6	38
511	FRET-based aptamer probe for rapid angiogenin detection. Talanta, 2008, 75, 770-774.	5.5	38
512	Real-Time Imaging of Protein Internalization Using Aptamer Conjugates. Analytical Chemistry, 2008, 80, 5002-5008.	6.5	38
513	Efficient Fluorescence Turn-On Probe for Zirconium via a Target-Triggered DNA Molecular Beacon Strategy. Analytical Chemistry, 2012, 84, 2124-2128.	6.5	38
514	Nucleic acid-based molecular computation heads towards cellular applications. Chemical Society Reviews, 2021, 50, 12551-12575.	38.1	38
515	Novel Dual-Signal Electrochemiluminescence Aptasensor Involving the Resonance Energy Transform System for Kanamycin Detection. Analytical Chemistry, 2022, 94, 6410-6416.	6.5	38
516	Atomic Force Microscopy Study of Different Effects of Natural and Semisynthetic Î²-Lactam on the Cell Envelope ofEscherichiacoli. Analytical Chemistry, 2006, 78, 7341-7345.	6.5	37
517	DNA micelle flares: a study of the basic properties that contribute to enhanced stability and binding affinity in complex biological systems. Chemical Science, 2016, 7, 6041-6049.	7.4	37
518	Recognitionâ€thenâ€Reaction Enables Siteâ€Selective Bioconjugation to Proteins on Liveâ€Cell Surfaces. Angewandte Chemie - International Edition, 2017, 56, 11954-11957.	13.8	37
519	Regulation of Protein Activity and Cellular Functions Mediated by Molecularly Evolved Nucleic Acids. Angewandte Chemie - International Edition, 2019, 58, 1621-1625.	13.8	37
520	DNA Nanostructure-Programmed Cell Entry via Corner Angle-Mediated Molecular Interaction with Membrane Receptors. Nano Letters, 2021, 21, 6946-6951.	9.1	37
521	Nucleic Acid Based Logical Systems. Chemistry - A European Journal, 2014, 20, 5866-5873.	3.3	36
522	Intercellular Connections Related to Cellâ€“Cell Crosstalk Specifically Recognized by an Aptamer. Angewandte Chemie - International Edition, 2016, 55, 3914-3918.	13.8	36

#	Article	IF	Citations
523	A membrane-anchored fluorescent probe for detecting K⁺ in the cell microenvironment. Chemical Communications, 2016, 52, 4679-4682.	4.1	36
524	Aptamer-based multifunctional ligand-modified UCNPs for targeted PDT and bioimaging. Nanoscale, 2018, 10, 10986-10990.	5.6	36
525	Transducing Complex Biomolecular Interactions by Temperature-Output Artificial DNA Signaling Networks. Journal of the American Chemical Society, 2020, 142, 14234-14239.	13.7	36
526	Green synthesis of Au@WSe2 hybrid nanostructures with the enhanced peroxidase-like activity for sensitive colorimetric detection of glucose. Nano Research, 2022, 15, 1587-1592.	10.4	36
527	Rhodamine B isothiocyanate doped silica-coated fluorescent nanoparticles (RBITC-DSFNPs)â€“based bioprobes conjugated to Annexin V for apoptosis detection and imaging. Nanomedicine: Nanotechnology, Biology, and Medicine, 2007, 3, 266-272.	3.3	35
528	Design of a novel molecular beacon: modification of the stem with artificially genetic alphabet. Chemical Communications, 2008, , 5128.	4.1	35
529	Aptamers generated by Cell SELEX for biomarker discovery. Biomarkers in Medicine, 2009, 3, 193-202.	1.4	35
530	Using Azobenzene Incorporated DNA Aptamers to Probe Molecular Binding Interactions. Bioconjugate Chemistry, 2011, 22, 282-288.	3.6	35
531	Poly Î²-cyclodextrin inclusion-induced formation of two-photon fluorescent nanomicelles for biomedical imaging. Chemical Communications, 2014, 50, 8398-8401.	4.1	35
532	DNA Aptamer Based Nanodrugs: Molecular Engineering for Efficiency. Chemistry - an Asian Journal, 2015, 10, 2084-2094.	3.3	35
533	A General Strategy for Development of Activatable NIRâ€Ⅱ Fluorescent Probes for In Vivo Highâ€Contrast Bioimaging. Angewandte Chemie, 2021, 133, 813-818.	2.0	35
534	Development of an Optical Fiber Lactate Sensor. Mikrochimica Acta, 1999, 131, 129-135.	5.0	34
535	Detection of halide ions with AlGaNâˆ•GaN high electron mobility transistors. Applied Physics Letters, 2005, 86, 173502.	3.3	34
536	Nuclease-resistant synthetic drug-DNA adducts: programmable drug-DNA conjugation for targeted anticancer drug delivery. NPG Asia Materials, 2015, 7, e169-e169.	7.9	34
537	Aptamer/AuNP Biosensor for Colorimetric Profiling of Exosomal Proteins. Angewandte Chemie, 2017, 129, 12078-12082.	2.0	34
538	Molecular Recognition and In-Vitro-Targeted Inhibition of Renal Cell Carcinoma Using a DNA Aptamer. Molecular Therapy - Nucleic Acids, 2018, 12, 758-768.	5.1	34
539	Nakedâ€Eye Readout of Analyteâ€Induced NIR Fluorescence Responses by an Initiationâ€“Inputâ€“Transduction Nanoplatform. Angewandte Chemie - International Edition, 2020, 59, 695-699.	13.8	34
540	Molecular Engineering of Aptamer Self-Assemblies Increases in Vivo Stability and Targeted Recognition. ACS Nano, 2022, 16, 169-179.	14.6	34

#	Article	IF	Citations
541	Using silver nanowire antennas to enhance the conversion efficiency of photoresponsive DNA nanomotors. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9331-9336.	7.1	33
542	Single-molecule atomic force microscopy on live cells compares aptamer and antibody rupture forces. Analytical and Bioanalytical Chemistry, 2012, 402, 3205-3209.	3.7	33
543	Therapeutic RNA interference targeting CKIP-1 with a cross-species sequence to stimulate bone formation. Bone, 2014, 59, 76-88.	2.9	33
544	Synthesis and characterization of low molecular weight polyethyleneimine-terminated Poly(Î²-amino) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2016, 463, 93-98.	9.4	33
545	Dicyanomethylene Substituted Benzothiazole Squaraines: The Efficiency of Photodynamic Therapy In Vitro and In Vivo. EBioMedicine, 2017, 23, 25-33.	6.1	33
546	Oxysophocarpine Retards the Growth and Metastasis of Oral Squamous Cell Carcinoma by Targeting the Nrf2/HO-1 Axis. Cellular Physiology and Biochemistry, 2018, 49, 1717-1733.	1.6	33
547	Crossâ€Linked Aptamerâ€“Lipid Micelles for Excellent Stability and Specificity in Targetâ€Cell Recognition. Angewandte Chemie - International Edition, 2018, 57, 11589-11593.	13.8	33
548	DNA-Based MXFs to Enhance Radiotherapy and Stimulate Robust Antitumor Immune Responses. Nano Letters, 2022, 22, 2826-2834.	9.1	33
549	Photostable Luminescent Nanoparticles as Biological Label for Cell Recognition of System Lupus Erythematosus Patients. Journal of Nanoscience and Nanotechnology, 2002, 2, 317-320.	0.9	32
550	Using optical tweezers for measuring the interaction forces between human bone cells and implant surfaces: System design and force calibration. Review of Scientific Instruments, 2007, 78, 074302.	1.3	32
551	First Synthesis of an Oridoninâ€Conjugated Iridium(III) Complex for the Intracellular Tracking of NFâ€ÎºB in Living Cells. Chemistry - A European Journal, 2017, 23, 4929-4935.	3.3	32
552	Selection and characterization of DNA aptamer against glucagon receptor by cell-SELEX. Scientific Reports, 2017, 7, 7179.	3.3	32
553	3D printed intelligent scaffold prevents recurrence and distal metastasis of breast cancer. Theranostics, 2020, 10, 10652-10664.	10.0	32
554	Real-time monitoring of DNA polymerase activity using molecular beacon. Analytical Biochemistry, 2006, 353, 141-143.	2.4	31
555	Microstructure and Environment Dependence of ²H_{11/2} â†' ⁴I_{15/2} Upconversion Emission in YVO₄:Er³⁺, Y b³⁺ Nanocrystals. Journal of Nanoscience and Nanotechnology, 2008, 8, 1437-1442.	0.9	31
556	Tetraphenylethene derivative modified DNA oligonucleotide for in situ potassium ion detection and imaging in living cells. Talanta, 2017, 167, 550-556.	5.5	31
557	Coupling Between Interleukin-1R1 and Necrosome Complex Involves in Hemin-Induced Neuronal Necroptosis After Intracranial Hemorrhage. Stroke, 2018, 49, 2473-2482.	2.0	31
558	Selfâ€Assembled Aptamerâ€Grafted Hyperbranched Polymer Nanocarrier for Targeted and Photoresponsive Drug Delivery. Angewandte Chemie, 2018, 130, 17294-17298.	2.0	31

#	Article	IF	Citations
559	Rapid water-responsive shape memory films for smart resistive bending sensors. Nano Today, 2021, 38, 101202.	11.9	31
560	One-Pot Synthesis of Hollow PbSe Single-Crystalline Nanoboxes via Gas Bubble Assisted Ostwald Ripening. Crystal Growth and Design, 2010, 10, 1257-1262.	3.0	30
561	A red emitting two-photon fluorescent probe for dynamic imaging of redox balance meditated by a superoxide anion and GSH in living cells and tissues. Analyst, The, 2016, 141, 5893-5899.	3.5	30
562	Coreâ€“Shell HA-AuNPs@SiNPs Nanoprobe for Sensitive Fluorescence Hyaluronidase Detection and Cell Imaging. ACS Sustainable Chemistry and Engineering, 2018, 6, 16555-16562.	6.7	30
563	Free-standing 2D nanorafts by assembly of 1D nanorods for biomolecule sensing. Nanoscale, 2019, 11, 12169-12176.	5.6	30
564	Hierarchical Fabrication of DNA Wireframe Nanoarchitectures for Efficient Cancer Imaging and Targeted Therapy. ACS Nano, 2020, 14, 17365-17375.	14.6	30
565	Aptamers as Versatile Molecular Tools for Antibody Production Monitoring and Quality Control. Journal of the American Chemical Society, 2020, 142, 12079-12086.	13.7	30
566	Quantitative Intracellular Molecular Profiling Using a One-Dimensional Flow System. Analytical Chemistry, 2006, 78, 6246-6251.	6.5	29
567	Using Aptamerâ€“Nanoparticle Conjugates for Cancer Cells Detection. Journal of Biomedical Nanotechnology, 2008, 4, 400-409.	1.1	29
568	IL-17 is a potent synergistic factor with GM-CSF in mice in stimulating myelopoiesis, dendritic cell expansion, proliferation, and functional enhancement. Experimental Hematology, 2010, 38, 877-884.e1.	0.4	29
569	Nanoparticleâ€“Aptamer Conjugates for Cancer Cell Targeting and Detection. Methods in Molecular Biology, 2010, 624, 235-248.	0.9	29
570	Modulating Molecular Level Space Proximity: A Simple and Efficient Strategy to Design Structured DNA Probes. Analytical Chemistry, 2010, 82, 3914-3921.	6.5	29
571	Endonucleolytic Inhibition Assay of DNA/Fok I Transducer as a Sensitive Platform for Homogeneous Fluorescence Detection of Small Moleculeâ€“Protein Interactions. Analytical Chemistry, 2012, 84, 5708-5715.	6.5	29
572	Enzymatic cleavage and mass amplification strategy for small molecule detection using aptamer-based fluorescence polarization biosensor. Analytica Chimica Acta, 2015, 879, 91-96.	5.4	29
573	Control of cell proliferation in E-jet 3D-printed scaffolds for tissue engineering applications: the influence of the cell alignment angle. Journal of Materials Chemistry B, 2017, 5, 3728-3738.	5.8	29
574	Generalized Preparation of Two-Dimensional Quasi-nanosheets via Self-assembly of Nanoparticles. Journal of the American Chemical Society, 2019, 141, 1725-1734.	13.7	29
575	Improving Tumor Accumulation of Aptamers by Prolonged Blood Circulation. Analytical Chemistry, 2020, 92, 4108-4114.	6.5	29
576	Novel Anthocyanin-Based Colorimetric Assay for the Rapid, Sensitive, and Quantitative Detection of Helicobacter pylori. Analytical Chemistry, 2021, 93, 6246-6253.	6.5	29

#	Article	IF	Citations
577	Molecular Recognition of Human Liver Cancer Cells Using DNA Aptamers Generated via Cell-SELEX. PLoS ONE, 2015, 10, e0125863.	2.5	29
578	A High-Wet-Strength Biofilm for Readable and Highly Sensitive Humidity Sensors. Nano Letters, 2021, 21, 9030-9037.	9.1	29
579	Chargeâ€Transfer Cocrystal via a Persistent Radical Cation Acceptor for Efficient Solarâ€Thermal Conversion. Angewandte Chemie - International Edition, 2022, 61, .	13.8	29
580	Capturing cancer cells using aptamer-immobilized square capillary channels. Molecular BioSystems, 2011, 7, 1720.	2.9	28
581	Aptamers: turning the spotlight on cells. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2011, 3, 328-340.	6.1	28
582	Aptamer degradation inhibition combined with DNAzyme cascade-based signal amplification for colorimetric detection of proteins. Chemical Communications, 2013, 49, 6137.	4.1	28
583	A novel AgNP/DNA/TPdye conjugate-based two-photon nanoprobe for GSH imaging in cell apoptosis of cancer tissue. Chemical Communications, 2015, 51, 16810-16812.	4.1	28
584	Simultaneous tracking of drug molecules and carriers using aptamer-functionalized fluorescent superstable gold nanorodâ€“carbon nanocapsules during thermo-chemotherapy. Nanoscale, 2016, 8, 7942-7948.	5.6	28
585	Simultaneous Application of Photothermal Therapy and an Antiâ€inflammatory Prodrug using Pyreneâ€“Aspirinâ€Loaded Gold Nanorod Graphitic Nanocapsules. Angewandte Chemie, 2018, 130, 183-187.	2.0	28
586	Generalized preparation of Au NP @ Ni(OH)2 yolk-shell NPs and their enhanced catalytic activity. Nano Energy, 2020, 71, 104542.	16.0	28
587	Aptamer-Peptide Conjugates as Targeted Chemosensitizers for Breast Cancer Treatment. ACS Applied Materials & Interfaces, 2021, 13, 9436-9444.	8.0	28
588	Ferroceneâ€Containing Nucleic Acidâ€Based Energyâ€Storage Nanoagent for Continuously Photoâ€Induced Oxidative Stress Amplification. Angewandte Chemie - International Edition, 2022, 61, .	13.8	28
589	A proximity-dependent surface hybridization strategy for constructing an efficient signal-on electrochemical DNAzyme sensing system. Chemical Communications, 2012, 48, 9507.	4.1	27
590	Molecular Beacon Aptamers for Direct and Universal Quantitation of Recombinant Proteins from Cell Lysates. Analytical Chemistry, 2012, 84, 8272-8276.	6.5	27
591	Mercury(II) Ion Detection via Pyreneâ€Mediated Photolysis of Disulfide Bonds. Chemistry - A European Journal, 2012, 18, 1286-1289.	3.3	27
592	Size-Dependent MRI Relaxivity and Dual Imaging with Eu0.2Gd0.8PO4Â·H2O Nanoparticles. Langmuir, 2014, 30, 5873-5879.	3.5	27
593	Evaluation of Chitosan/Aptamer Targeting TGF-Î² Receptor II Thermo-Sensitive Gel for Scarring in Rat Glaucoma Filtration Surgery. , 2015, 56, 5465.		27
594	Polymeric Engineering of Aptamerâ€“Drug Conjugates for Targeted Cancer Therapy. Bioconjugate Chemistry, 2020, 31, 37-42.	3.6	27

#	Article	IF	Citations
595	Regulating the Anticancer Efficacy of Sgc8â€“Combretastatin A4 Conjugates: A Case of Recognizing the Significance of Linker Chemistry for the Design of Aptamer-Based Targeted Drug Delivery Strategies. Journal of the American Chemical Society, 2021, 143, 8559-8564.	13.7	27
596	G-Quadruplex-Induced Liquidâ€“Liquid Phase Separation in Biomimetic Protocells. Journal of the American Chemical Society, 2021, 143, 11036-11043.	13.7	27
597	Calcium Phosphateâ€Reinforced Metalâ€Organic Frameworks Regulate Adenosineâ€Mediated Immunosuppression. Advanced Materials, 2021, 33, e2102271.	21.0	27
598	Molecular Beacon Aptamers for Protein Monitoring in Real-Time and in Homogeneous Solutions. Current Proteomics, 2005, 2, 31-40.	0.3	26
599	An efficient fluorescence turn-on probe for Al3+ based on aggregation-induced emission. Analytical Methods, 2013, 5, 3909.	2.7	26
600	An efficient ratiometric fluorescent excimer probe for hypochlorite based on a cofacial xanthene-bridged bispyrene. Analytical Methods, 2014, 6, 609-614.	2.7	26
601	An MTH1-targeted nanosystem for enhanced PDT via improving cellular sensitivity to reactive oxygen species. Chemical Communications, 2018, 54, 4310-4313.	4.1	26
602	Construction of a fluorine substituted chromenylium-cyanine near-infrared fluorophore for ratiometric sensing. Sensors and Actuators B: Chemical, 2018, 259, 219-225.	7.8	26
603	Biomimetic Carriers Based on Giant Membrane Vesicles for Targeted Drug Delivery and Photodynamic/Photothermal Synergistic Therapy. ACS Applied Materials & Interfaces, 2019, 11, 43811-43819.	8.0	26
604	Beyond Blocking: Engineering RNAi-Mediated Targeted Immune Checkpoint Nanoblocker Enables T-Cell-Independent Cancer Treatment. ACS Nano, 2020, 14, 17524-17534.	14.6	26
605	DeepR2cov: deep representation learning on heterogeneous drug networks to discover anti-inflammatory agents for COVID-19. Briefings in Bioinformatics, 2021, 22, .	6.5	26
606	Engineering Dendritic Aptamer Assemblies as Superior Inhibitors of Protein Function. Chemistry - an Asian Journal, 2010, 5, 56-59.	3.3	25
607	Aptamerâ€“Target Binding Triggered Molecular Mediation of Singlet Oxygen Generation. Chemistry - an Asian Journal, 2010, 5, 783-786.	3.3	25
608	Human cancerous and healthy cell cytotoxicity studies of a chiral Î¼-dicarbeneâ€“digold(i) metallamacrocycle. Dalton Transactions, 2013, 42, 7440.	3.3	25
609	Post-Genomics Nanotechnology Is Gaining Momentum: Nanoproteomics and Applications in Life Sciences. OMICS A Journal of Integrative Biology, 2014, 18, 111-131.	2.0	25
610	Modulating the Morphology of Gold Graphitic Nanocapsules for Plasmon Resonance-Enhanced Multimodal Imaging. Analytical Chemistry, 2016, 88, 5385-5391.	6.5	25
611	Three dimensional multipod superstructures based on Cu(OH)₂ as a highly efficient nanozyme. Journal of Materials Chemistry B, 2016, 4, 4657-4661.	5.8	25
612	Polyaniline Nanovesicles for Photoacoustic Imagingâ€Guided Photothermalâ€Chemo Synergistic Therapy in the Second Nearâ€Infrared Window. Small, 2020, 16, e2001177.	10.0	25

#	Article	IF	Citations
613	Molecular beacons in biomedical detection and clinical diagnosis. International Journal of Clinical and Experimental Pathology, 2008, 1, 105-16.	0.5	25
614	Ultrasensitive Photoelectrochemical Biosensor Based on Novel Z-Scheme Heterojunctions of Zn-Defective CdS/ZnS for MicroRNA Assay. Analytical Chemistry, 2021, 93, 17134-17140.	6.5	25
615	Localized Exocytosis Detected by Spatially Resolved Amperometry in Single Pancreatic Î²-Cells. Cell Biochemistry and Biophysics, 2000, 33, 227-240.	1.8	24
616	Atomic force microscopy for the characterization of immobilized enzyme molecules on biosensor surfaces. Fresenius' Journal of Analytical Chemistry, 2001, 369, 302-307.	1.5	24
617	Monitoring Molecular Beacon/DNA Interactions Using Atomic Force Microscopy. Analytical Chemistry, 2004, 76, 5721-5725.	6.5	24
618	A novel sensitive and selective ligation-based ATP assay using a molecular beacon. Analyst, The, 2013, 138, 3013.	3.5	24
619	A superquenched DNAzymeâ€“perylene complex: a convenient, universal and low-background strategy for fluorescence catalytic biosensors. Chemical Communications, 2013, 49, 6644.	4.1	24
620	Intelligent layered nanoflare: â€œlab-on-a-nanoparticleâ€•for multiple DNA logic gate operations and efficient intracellular delivery. Nanoscale, 2014, 6, 8990-8996.	5.6	24
621	Nucleic Acid Aptamers for Living Cell Analysis. Annual Review of Analytical Chemistry, 2014, 7, 405-426.	5.4	24
622	Hollow graphitic nanocapsules as efficient electrode materials for sensitive Hydrogen peroxide detection. Biosensors and Bioelectronics, 2014, 52, 438-444.	10.1	24
623	DNA-templated in situ growth of silver nanoparticles on mesoporous silica nanospheres for smart intracellular GSH-controlled release. Chemical Communications, 2015, 51, 6544-6547.	4.1	24
624	Catalytic self-assembly of a DNA dendritic complex for efficient gene silencing. Chemical Communications, 2016, 52, 1413-1415.	4.1	24
625	WDR79 promotes the proliferation of non-small cell lung cancer cells via USP7-mediated regulation of the Mdm2-p53 pathway. Cell Death and Disease, 2017, 8, e2743-e2743.	6.3	24
626	Fluorinated DNA Micelles: Synthesis and Properties. Analytical Chemistry, 2018, 90, 6843-6850.	6.5	24
627	Visible Light-Driven Self-Powered Device Based on a Straddling Nano-Heterojunction and Bio-Application for the Quantitation of Exosomal RNA. ACS Nano, 2019, 13, 1817-1827.	14.6	24
628	Engineering Self-Calibrating Nanoprobes with Two-Photon-Activated Fluorescence Resonance Energy Transfer for Ratiometric Imaging of Biological Selenocysteine. ACS Applied Materials & Interfaces, 2019, 11, 17722-17729.	8.0	24
629	Molecular Transport through a Biomimetic DNA Channel on Live Cell Membranes. ACS Nano, 2020, 14, 14616-14626.	14.6	24
630	DNA Computing: Principle, Construction, and Applications in Intelligent Diagnostics. Small Structures, 2021, 2, 2100051.	12.0	24

#	Article	IF	Citations
631	Miniaturized fiber-optic chemical sensors with fluorescent dye-doped polymers. Sensors and Actuators B: Chemical, 1995, 28, 157-163.	7.8	23
632	On-chip oligonucleotide ligation assay using one-dimensional microfluidic beads array for the detection of low-abundant DNA point mutations. Biosensors and Bioelectronics, 2008, 23, 945-951.	10.1	23
633	DNAzymeâ€Based Probes for Telomerase Detection in Earlyâ€Stage Cancer Diagnosis. Chemistry - A European Journal, 2013, 19, 4633-4639.	3.3	23
634	Magnetic-graphitic-nanocapsule templated diacetylene assembly and photopolymerization for sensing and multicoded anti-counterfeiting. Nanoscale, 2014, 6, 13097-13103.	5.6	23
635	Hybridization chain reaction-based nanoprobe for cancer cell recognition and amplified photodynamic therapy. Chemical Communications, 2019, 55, 3065-3068.	4.1	23
636	Laser Desorption Ionization Mass Spectrometry on Silicon Nanowell Arrays. Analytical Chemistry, 2010, 82, 7566-7575.	6.5	22
637	One-pot self-assembly of flower-like Cu2S structures with near-infrared photoluminescent properties. CrystEngComm, 2011, 13, 6549.	2.6	22
638	A U87-EGFRvIII cell-specific aptamer mediates small interfering RNA delivery. Biomedical Reports, 2014, 2, 495-499.	2.0	22
639	Development of a panel of DNA Aptamers with High Affinity for Pancreatic Ductal Adenocarcinoma. Scientific Reports, 2015, 5, 16788.	3.3	22
640	Screening and identification of DNA aptamers toward Schistosoma japonicum eggs via SELEX. Scientific Reports, 2016, 6, 24986.	3.3	22
641	Synthesis of Amphiphilic Poly(Î²-amino ester) for Efficiently Minicircle DNA Delivery in Vivo. ACS Applied Materials & Interfaces, 2016, 8, 19284-19290.	8.0	22
642	Fluorinated molecular beacons as functional DNA nanomolecules for cellular imaging. Chemical Science, 2017, 8, 7082-7086.	7.4	22
643	Photorelease of Pyridines Using a Metalâ€Free Photoremovable Protecting Group. Angewandte Chemie - International Edition, 2020, 59, 18386-18389.	13.8	22
644	Aptamer-Directed Protein-Specific Multiple Modifications of Membrane Glycoproteins on Living Cells. ACS Applied Materials & Interfaces, 2020, 12, 37845-37850.	8.0	22
645	Graphene encapsuled Ru nanocrystal with highly-efficient peroxidase-like activity for glutathione detection at near-physiological pH. Chemical Communications, 2021, 57, 7669-7672.	4.1	22
646	Generation of Lung Adenocarcinoma DNA Aptamers for Cancer Studies. PLoS ONE, 2012, 7, e46222.	2.5	22
647	Construction of nanocarriers based on nucleic acids and their applications in nanobiology delivery systems. National Science Review, 2022, 9, .	9.5	22
648	A real-time assay for DNA sticky-end pairing using molecular beacons. Analytical Biochemistry, 2003, 312, 251-254.	2.4	21

#	Article	IF	Citations
649	A novel sandwich assay with molecular beacon as report probe for nucleic acids detection on one-dimensional microfluidic beads array. Analytica Chimica Acta, 2007, 587, 9-13.	5.4	21
650	Surfactant-Free Interface Suspended Gold Graphitic Surface-Enhanced Raman Spectroscopy Substrate for Simultaneous Multiphase Analysis. Analytical Chemistry, 2018, 90, 11183-11187.	6.5	21
651	Monitorable Mitochondria-Targeting DNAtrain for Image-Guided Synergistic Cancer Therapy. Analytical Chemistry, 2019, 91, 6996-7000.	6.5	21
652	DNA-Modulated Plasmon Resonance: Methods and Optical Applications. ACS Applied Materials & Interfaces, 2020, 12, 14741-14760.	8.0	21
653	One-dimensional microfluidic beads array for multiple mRNAs expression detection. Biosensors and Bioelectronics, 2007, 22, 2759-2762.	10.1	20
654	An Anionâ€€Conjugated Polyelectrolyte Designed for the Selective and Sensitive Detection of Silver(I). Chemistry - an Asian Journal, 2011, 6, 1500-1504.	3.3	20
655	Cell-SELEX-based aptamer-conjugated nanomaterials for enhanced targeting of cancer cells. Science China Chemistry, 2011, 54, 1218-1226.	8.2	20
656	Engineering Molecular Beacons for Intracellular Imaging. International Journal of Molecular Imaging, 2012, 2012, 1-10.	1.3	20
657	Generating lung-metastatic osteosarcoma targeting aptamers for in vivo and clinical tissue imaging. Talanta, 2018, 188, 66-73.	5.5	20
658	The influence of physiological environment on the targeting effect of aptamer-guided gold nanoparticles. Nano Research, 2019, 12, 129-135.	10.4	20
659	Aptamer-Conjugated Micelles for Targeted Photodynamic Therapy Via Photoinitiated Polymerization-Induced Self-Assembly. Macromolecules, 2021, 54, 7354-7363.	4.8	20
660	Generating Giant Membrane Vesicles from Live Cells with Preserved Cellular Properties. Research, 2019, 2019, 6523970.	5.7	20
661	Assembly of Silica Nanoparticles for Two-Dimensional Nanomaterials. Journal of Nanoscience and Nanotechnology, 2004, 4, 635-640.	0.9	19
662	Influence of Anions on the Formation and Properties of Chitosan-DNA Nanoparticles. Journal of Nanoscience and Nanotechnology, 2005, 5, 713-717.	0.9	19
663	Facile synthesis of Ni/Au, Ni/Ag hybrid magnetic nanoparticles: New active substrates for surface enhanced Raman scattering. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 403, 148-154.	4.7	19
664	Fluorosurfactant-capped gold nanoparticles-based label-free colorimetric assay for Au3+ with tunable dynamic range via a redox strategy. Biosensors and Bioelectronics, 2013, 48, 1-5.	10.1	19
665	An Insight into the Selective Conversion of Bamboo Biomass to Ethyl Glycosides. ACS Sustainable Chemistry and Engineering, 2017, 5, 5880-5886.	6.7	19
666	Control of cell growth on 3Dâ€printed cell culture platforms for tissue engineering. Journal of Biomedical Materials Research - Part A, 2017, 105, 3281-3292.	4.0	19

#	Article	IF	Citations
667	Aligner-mediated cleavage of nucleic acids and its application to isothermal exponential amplification. Chemical Science, 2018, 9, 3050-3055.	7.4	19
668	NIRâ€II Driven Plasmonâ€Enhanced Catalysis for a Timely Supply of Oxygen to Overcome Hypoxiaâ€Induced Radiotherapy Tolerance. Angewandte Chemie, 2019, 131, 15213-15219.	2.0	19
669	Smart Nanodrug with Nuclear Localization Sequences in the Presence of MMPâ€2 To Overcome Biobarriers and Drug Resistance. Chemistry - A European Journal, 2019, 25, 1895-1900.	3.3	19
670	Stimulus-responsive nanomaterials containing logic gates for biomedical applications. Cell Reports Physical Science, 2021, 2, 100350.	5.6	19
671	Logic-Gated Cell-Derived Nanovesicles via DNA-Based Smart Recognition Module. ACS Applied Materials & Interfaces, 2021, 13, 30397-30403.	8.0	19
672	Multibranched Linear DNA-Controlled Assembly of Silver Nanoclusters and Their Applications in Aptamer-Based Cell Recognition. ACS Applied Materials & Interfaces, 2022, 14, 14953-14960.	8.0	19
673	Subwavelength spectoscopy, exciton supertips and mesoscopic light-matter interactions. Journal of Luminescence, 1994, 58, 380-387.	3.1	18
674	Realâ€Time Monitoring of Nucleic Acid Dephosphorylation by Using Molecular Beacons. ChemBioChem, 2007, 8, 1487-1490.	2.6	18
675	Pyrene-Assisted Efficient Photolysis of Disulfide Bonds in DNA-Based Molecular Engineering. ACS Applied Materials & Interfaces, 2010, 2, 3601-3605.	8.0	18
676	Fabrication of superstable gold nanorodâ€“carbon nanocapsule as a molecule loading material. Science Bulletin, 2015, 60, 1101-1107.	9.0	18
677	Semipermeable Functional DNA-Encapsulated Nanocapsules as Protective Bioreactors for Biosensing in Living Cells. Analytical Chemistry, 2017, 89, 5389-5394.	6.5	18
678	Nanotechnology in Plants. Advances in Biochemical Engineering/Biotechnology, 2018, 164, 263-275.	1.1	18
679	An effective thermal therapy against cancer using an Eâ€jet 3Dâ€printing method to prepare implantable magnetocaloric mats. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 1827-1841.	3.4	18
680	Aptamer-mediated selective delivery of a cytotoxic cationic NHC-Au(<scp>i</scp>) complex to cancer cells. Dalton Transactions, 2018, 47, 120-126.	3.3	18
681	In situ pepsin-assisted needle assembly of magnetic-graphitic-nanocapsules for enhanced gastric retention and mucus penetration. Nano Today, 2021, 36, 101032.	11.9	18
682	Gradient Magnetic Separation and Fluorescent Imagingâ€Based Heterogeneous Circulating Tumor Cell Subpopulations Assay with Biomimetic Multifunctional Nanoprobes. Advanced Functional Materials, 2021, 31, 2009937.	14.9	18
683	Fluorescent Nanoparticle for Bacteria and DNA Detection. Advances in Experimental Medicine and Biology, 2007, 620, 129-135.	1.6	18
684	Manipulation of Multiple Cellâ€“Cell Interactions by Tunable DNA Scaffold Networks. Angewandte Chemie - International Edition, 2022, 61, .	13.8	18

#	Article	IF	Citations
685	Elucidation of CKAP4-remodeled cell mechanics in driving metastasis of bladder cancer through aptamer-based target discovery. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2110500119.	7.1	18
686	Using Bioconjugated Nanoparticles To MonitorE. coli in a Flow Channel. Chemistry - an Asian Journal, 2006, 1, 384-390.	3.3	17
687	Hybridization-triggered isothermal signal amplification coupled with MutS for label-free and sensitive fluorescent assay of SNPs. Chemical Communications, 2012, 48, 5659.	4.1	17
688	A simple and pH-independent and ultrasensitive fluorescent probe for the rapid detection of Hg2+. Talanta, 2013, 117, 326-332.	5.5	17
689	Aptamers Selected by Cell-SELEX for Molecular Imaging. Journal of Molecular Evolution, 2015, 81, 162-171.	1.8	17
690	Study of the Function of Gâ€Rich Aptamers Selected for Lung Adenocarcinoma. Chemistry - an Asian Journal, 2015, 10, 1519-1525.	3.3	17
691	Using aptamers to elucidate esophageal cancer clinical samples. Scientific Reports, 2016, 5, 18516.	3.3	17
692	Recognitionâ€thenâ€Reaction Enables Siteâ€Selective Bioconjugation to Proteins on Liveâ€Cell Surfaces. Angewandte Chemie, 2017, 129, 12116-12119.	2.0	17
693	Nanocarrier based on the assembly of protein and antisense oligonucleotide to combat multidrug resistance in tumor cells. Science China Chemistry, 2017, 60, 1318-1323.	8.2	17
694	Equipping Natural Killer Cells with Specific Targeting and Checkpoint Blocking Aptamers for Enhanced Adoptive Immunotherapy in Solid Tumors. Angewandte Chemie, 2020, 132, 12120-12126.	2.0	17
695	Stabilizing Enzymes in Plasmonic Silk Film for Synergistic Therapy of In Situ SERS Identified Bacteria. Advanced Science, 2022, 9, e2104576.	11.2	17
696	A novel gene carrier based on amino-modified silica nanoparticles. Science Bulletin, 2003, 48, 223-228.	1.7	16
697	A Novel DNAâ€Enrichment Technology Based on Aminoâ€Modified Functionalized Silica Nanoparticles. Journal of Dispersion Science and Technology, 2003, 24, 633-640.	2.4	16
698	Bioeffects of different functionalized silica nanoparticles on HaCaT cell line. Science Bulletin, 2006, 51, 1939-1946.	1.7	16
699	Real-time monitoring of double-stranded DNA cleavage using molecular beacons. Talanta, 2008, 76, 458-461.	5.5	16
700	FSiNPs mediated improved double immunofluorescence staining for gastric cancer cells imaging. Talanta, 2008, 76, 1199-1206.	5.5	16
701	Engineering a subcellular targetable, red-emitting, and ratiometric fluorescent probe for Ca2+ and its bioimaging applications. Analytical and Bioanalytical Chemistry, 2010, 397, 1245-1250.	3.7	16
702	An efficient fluorescent sensing platform for biomolecules based on fenton reaction triggered molecular beacon cleavage strategy. Biosensors and Bioelectronics, 2013, 41, 442-445.	10.1	16

#	Article	IF	Citations
703	Endocytic Pathways and Intracellular Transport of Aptamer-Drug Conjugates in Live Cells Monitored by Single-Particle Tracking. Analytical Chemistry, 2019, 91, 13818-13823.	6.5	16
704	DNA-supramolecule conjugates in theranostics. Theranostics, 2019, 9, 3262-3279.	10.0	16
705	DNA-Capped Silver Nanoflakes as Fluorescent Nanosensor for Highly Sensitive Imaging of Endogenous H₂S in Cell Division Cycles. Analytical Chemistry, 2019, 91, 15404-15410.	6.5	16
706	Nucleic Acid Aptamers for Molecular Diagnostics and Therapeutics: Advances and Perspectives. Angewandte Chemie, 2021, 133, 2249-2259.	2.0	16
707	A Magnetocatalytic Propelled Cobaltâ€“Platinum@Graphene Navigator for Enhanced Tumor Penetration and Theranostics. CCS Chemistry, 2022, 4, 2382-2395.	7.8	16
708	Design of a Molecular Beacon DNA Probe with Two Fluorophores. Angewandte Chemie - International Edition, 2001, 40, 402-405.	13.8	16
709	Computer-aided design of reversible hybridization chain reaction (CAD-HCR) enables multiplexed single-cell spatial proteomics imaging. Science Advances, 2022, 8, eabk0133.	10.3	16
710	Novel Interaction between Glutamate and the Cu2+/DMABN/Î²-CD Complex. Journal of Physical Chemistry A, 2000, 104, 12021-12028.	2.5	15
711	A two-dimensional imaging biosensor to monitor enhanced brain glutamate release stimulated by nicotine. Journal of Neuroscience Methods, 2004, 135, 71-78.	2.5	15
712	Atomic Force Microscopy Study of the Effect of Pulsed Electric Field on Staphylococcus epidermidis. Analytical Chemistry, 2008, 80, 6222-6227.	6.5	15
713	Trifluoromethylated nucleic acid analogues capable of self-assembly through hydrophobic interactions. Chemical Science, 2014, 5, 4076-4081.	7.4	15
714	Elucidating the cellular uptake mechanism of aptamer-functionalized graphene-isolated-Au-nanocrystals with dual-modal imaging. Analyst, The, 2016, 141, 3337-3342.	3.5	15
715	Overexpression of <scp>WDR</scp>79 in nonâ€small cell lung cancer is linked to tumour progression. Journal of Cellular and Molecular Medicine, 2016, 20, 698-709.	3.6	15
716	Engineering a customized nanodrug delivery system at the cellular level for targeted cancer therapy. Science China Chemistry, 2018, 61, 497-504.	8.2	15
717	Zinc-substituted hemoglobin with specific drug binding sites and fatty acid resistance ability for enhanced photodynamic therapy. Nano Research, 2019, 12, 1880-1887.	10.4	15
718	Modularly Engineered Solidâ€Phase Synthesis of Aptamerâ€Functionalized Small Molecule Drugs for Targeted Cancer Therapy. Advanced Therapeutics, 2020, 3, 2000074.	3.2	15
719	Evanescent luminescence and nanometer-size light source. Journal of Luminescence, 1991, 48-49, 871-875.	3.1	14
720	A novel fluorescent label based on biological fluorescent nanoparticles and its application in cell recognition. Science Bulletin, 2001, 46, 1962-1965.	1.7	14

#	Article	IF	Citations
721	Improving the performance of immobilized molecular beacons through cleavage. Analytica Chimica Acta, 2006, 567, 173-178.	5.4	14
722	Using aptamers evolved from cell-SELEX to engineer a molecular delivery platform. Chemical Communications, 2009, , 3056.	4.1	14
723	Cellular Internalization and Cytotoxicity of Aptamers Selected from Lung Cancer Cell. American Journal of Biomedical Sciences, 0, , 47-58.	0.2	14
724	Modifying cellular properties using artificial aptamer-lipid receptors. Scientific Reports, 2013, 3, 3343.	3.3	14
725	Reversible and Quantitative Photoregulation of Target Proteins. CheM, 2017, 3, 1021-1035.	11.7	14
726	CRISPR propels a smart hydrogel. Science, 2019, 365, 754-755.	12.6	14
727	3D halos assembled from Fe₃O₄/Au NPs with enhanced catalytic and optical properties. Nanoscale, 2019, 11, 20968-20976.	5.6	14
728	Molecular domino reactor built by automated modular synthesis for cancer treatment. Theranostics, 2020, 10, 4030-4041.	10.0	14
729	Construction of Bispecific Aptamerâ€“Drug Conjugate by a Hybrid Chemical and Biological Approach. Bioconjugate Chemistry, 2020, 31, 1289-1294.	3.6	14
730	Biomineralized nanoparticles enable an enzyme-assisted DNA signal amplification in living cells. Chemical Communications, 2020, 56, 2901-2904.	4.1	14
731	Enhancing the Nucleolytic Resistance and Bioactivity of Functional Nucleic Acids by Diverse Nanostructures through in Situ Polymerizationâ€Induced Selfâ€assembly. ChemBioChem, 2021, 22, 754-759.	2.6	14
732	Decoding the Complex Free Radical Cascade by Using a DNA Frameworkâ€Based Artificial DNA Encoder. Angewandte Chemie - International Edition, 2021, 60, 10745-10755.	13.8	14
733	Hydrogen-Bonding-Induced H-Aggregation of Charge-Transfer Complexes for Ultra-Efficient Second Near-Infrared Region Photothermal Conversion. CCS Chemistry, 2022, 4, 2333-2343.	7.8	14
734	Programmable manipulation of oligonucleotideâ€“albumin interaction for elongated circulation time. Nucleic Acids Research, 2022, 50, 3083-3095.	14.5	14
735	Detection of singleâ€base mutations using 1â€D microfluidic beads array. Electrophoresis, 2007, 28, 4668-4678.	2.4	13
736	The effects of flow type on aptamer capture in differential mobility cytometry cell separations. Analytica Chimica Acta, 2010, 673, 95-100.	5.4	13
737	NUCLEIC ACID-FUNCTIONALIZED NANOMATERIALS. Nano LIFE, 2013, 03, 1340004.	0.9	13
738	Selection of an Aptamer Antidote to the Anticoagulant Drug Bivalirudin. PLoS ONE, 2013, 8, e57341.	2.5	13

#	Article	IF	Citations
739	Nâ€Heterocyclic Carbeneâ€“Gold(I) Complexes Conjugated to a Leukemiaâ€Specific DNA Aptamer for Targeted Drug Delivery. Angewandte Chemie, 2016, 128, 9035-9039.	2.0	13
740	Self-assembled dual-modality contrast agents for non-invasive stem cell tracking via near-infrared fluorescence and magnetic resonance imaging. Journal of Colloid and Interface Science, 2016, 478, 217-226.	9.4	13
741	Enolase1 Alleviates Cerebral Ischemia-Induced Neuronal Injury via Its Enzymatic Product Phosphoenolpyruvate. ACS Chemical Neuroscience, 2019, 10, 2877-2889.	3.5	13
742	A bispecific circular aptamer tethering a built-in universal molecular tag for functional protein delivery. Chemical Science, 2020, 11, 9648-9654.	7.4	13
743	Plasmon Coupling in DNA-Assembled Silver Nanoclusters. Journal of the American Chemical Society, 2021, 143, 14573-14580.	13.7	13
744	Electron transfer-triggered imaging of EGFR signaling activity. Nature Communications, 2022, 13, 594.	12.8	13
745	Imaging Neurotransmitter Uptake and Depletion in Astrocytes. Applied Spectroscopy, 1997, 51, 1139-1143.	2.2	12
746	Using Molecular Beacons for Sensitive Fluorescence Assays of the Enzymatic Cleavage of Nucleic Acids. , 2006, 335, 71-82.		12
747	Magnetically Driven Single DNA Nanomotor. Small, 2011, 7, 601-605.	10.0	12
748	Helical Conjugated Polyelectrolyte Aggregation Induced by Biotinâ€“Avidin Interaction. Journal of Physical Chemistry Letters, 2012, 3, 1711-1715.	4.6	12
749	Epsilon-caprolactone modified polyethylenimine for highly efficient antigen delivery and chemical exchange saturation transfer functional MR imaging. Biomaterials, 2015, 56, 219-228.	11.4	12
750	Fabrication of ultrathin Zn(OH)2 nanosheets as drug carriers. Nano Research, 2016, 9, 2520-2530.	10.4	12
751	Molecular Engineeringâ€Based Aptamerâ€“Drug Conjugates with Accurate Tunability of Drug Ratios for Drug Combination Targeted Cancer Therapy. Angewandte Chemie, 2019, 131, 11787-11791.	2.0	12
752	Human serum albumin as an intrinsic signal amplification amplifier for ultrasensitive assays of the prostate-specific antigen in human plasma. Chemical Communications, 2020, 56, 1843-1846.	4.1	12
753	New Insights from Chemical Biology: Molecular Basis of Transmission, Diagnosis, and Therapy of SARS-CoV-2. CCS Chemistry, 2021, 3, 1501-1528.	7.8	12
754	Engineering a Secondâ€Order DNA Logicâ€Gated Nanorobot to Sense and Release on Live Cell Membranes for Multiplexed Diagnosis and Synergistic Therapy. Angewandte Chemie, 2021, 133, 15950-15954.	2.0	12
755	Self-assembled Pt(II) metallacycles enable precise cancer combination chemotherapy. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2202255119.	7.1	12
756	The restoration of pyrene fluorescence of a CuIIâ€“Î²-cyclodextrinâ€“pyrene complex. Chemical Communications, 1999, , 1301-1302.	4.1	11

#	Article	IF	Citations
757	Direct Observation of Single-Molecule Generation at a Solid-Liquid Interface. Chemistry - A European Journal, 2000, 6, 1087-1092.	3.3	11
758	Telomerase catalyzed fluorescent probes for sensitive protein profiling based on one-dimensional microfluidic beads array. Biosensors and Bioelectronics, 2008, 23, 1788-1792.	10.1	11
759	Using Aptamers to Study Proteinâ€“Protein Interactions. Advances in Biochemical Engineering/Biotechnology, 2008, 110, 177-194.	1.1	11
760	Preparation and characterization of CdSe nanoparticles in the presence of Triocytlphosphine as solvent and capping agent. Materials Letters, 2009, 63, 712-714.	2.6	11
761	Îµ-Caprolactone-Modified Polyethylenimine as Efficient Nanocarriers for siRNA Delivery in Vivo. ACS Applied Materials & Interfaces, 2016, 8, 29261-29269.	8.0	11
762	A Smart Detection System Based on Specific Magnetic and Rolling Cycle Amplification Signal-Amplified Dual-Aptamers to Accurately Monitor Minimal Residual Diseases in Patients with T-ALL. Journal of Biomedical Nanotechnology, 2016, 12, 2151-2160.	1.1	11
763	Nakedâ€Eye Readout of Analyteâ€Induced NIR Fluorescence Responses by an Initiationâ€“Inputâ€“Transduction Nanoplatform. Angewandte Chemie, 2020, 132, 705-709.	2.0	11
764	Highly Chemoselective Access to 2,2â€²-Diaminobiaryls via Ni-Catalyzed Protecting-Group-Free Coupling of 2-Haloanilines. ACS Catalysis, 2020, 10, 13641-13649.	11.2	11
765	Adipose specific aptamer adipo-8 recognizes and interacts with APMAP to ameliorates fat deposition in vitro and in vivo. Life Sciences, 2020, 251, 117609.	4.3	11
766	Enhancing antiâ€PDâ€1 Immunotherapy by Nanomicelles Selfâ€Assembled from Multivalent Aptamer Drug Conjugates. Angewandte Chemie, 2021, 133, 15587-15593.	2.0	11
767	STIP is a critical nuclear scaffolding protein linking USP7 to p53-Mdm2 pathway regulation. Oncotarget, 2015, 6, 34718-34731.	1.8	11
768	A Dualâ€Targeting Circular Aptamer Strategy Enables the Recognition of Different Leukemia Cells with Enhanced Binding Ability. Angewandte Chemie - International Edition, 2022, 61, .	13.8	11
769	Programmable Repurposing of Existing Drugs as Pharmaceutical Elements for the Construction of Aptamerâ€“Drug Conjugates. ACS Applied Materials & Interfaces, 2021, 13, 9457-9463.	8.0	11
770	CD71-Specific Aptamer Conjugated with Monomethyl Auristatin E for the Treatment of Uveal Melanoma. ACS Applied Materials & Interfaces, 2022, 14, 32-40.	8.0	11
771	Engineering Aptamers with Selectively Enhanced Biostability in the Tumor Microenvironment. Angewandte Chemie - International Edition, 2022, 61, .	13.8	11
772	Adeno-Associated Virus Rep78/Rep68 Promotes Localized Melting of the Rep Binding Element in the Absence of Adenosine Triphosphate. ChemBioChem, 2004, 5, 324-332.	2.6	10
773	Research of the relationship of intracellular acidification and apoptosis in Hela cells based on pH nanosensors. Science in China Series B: Chemistry, 2007, 50, 258-265.	0.8	10
774	Recognition of single-base mismatch DNA by Au nanoparticle-assisted electroelution. Analyst, The, 2008, 133, 1274.	3.5	10

#	Article	IF	Citations
775	Silica-Based Nanoparticles: Design and Properties. Springer Series on Fluorescence, 2010, , 229-251.	0.8	10
776	An aggregated perylene-based broad-spectrum, efficient and label-free quencher for multiplexed fluorescent bioassays. Biosensors and Bioelectronics, 2014, 58, 320-325.	10.1	10
777	Competitive Assembly To Increase the Performance of the DNA/Carbon-Nanomaterial-Based Sensing Platform. ACS Applied Materials & Interfaces, 2014, 6, 13470-13477.	8.0	10
778	The relationship between toll like receptor 4 gene rs4986790 and rs4986791 polymorphisms and sepsis susceptibility: A meta-analysis. Scientific Reports, 2016, 6, 38947.	3.3	10
779	Erythrocyte membrane based cationic polymer-mcDNA complexes as an efficient gene delivery system. Biomaterials Science, 2017, 5, 120-127.	5.4	10
780	Graphitic nanocapsules: design, synthesis and bioanalytical applications. Nanoscale, 2017, 9, 10529-10543.	5.6	10
781	Floxuridine Homomeric Oligonucleotides â€œHitchhikeâ€•with Albumin Inâ€…Situ for Cancer Chemotherapy. Angewandte Chemie, 2018, 130, 9132-9135.	2.0	10
782	Performance of marrow stromal cell-seeded small-caliber multilayered vascular graft in a senescent sheep model. Biomedical Materials (Bristol), 2018, 13, 055004.	3.3	10
783	Anticancer-Active N-Heteroaryl Amines Syntheses: Nucleophilic Amination of N-Heteroaryl Alkyl Ethers with Amines. Organic Letters, 2019, 21, 5111-5115.	4.6	10
784	Identification of Vigilin as a Potential Ischemia Biomarker by Brain Slice-Based Systematic Evolution of Ligands by Exponential Enrichment. Analytical Chemistry, 2019, 91, 6675-6681.	6.5	10
785	Programmable pH-Responsive DNA Nanosensors for Imaging Exocytosis and Retrieval of Synaptic Vesicles. Analytical Chemistry, 2020, 92, 3620-3626.	6.5	10
786	CD36 as a Molecular Target of Functional DNA Aptamer NAFLD01 Selected against NAFLD Cells. Analytical Chemistry, 2021, 93, 3951-3958.	6.5	10
787	Quinacridone derivative as a new photosensitizer: Photodynamic effects in cells and inÂvivo. Dyes and Pigments, 2017, 145, 168-173.	3.7	10
788	Molecularly Engineered Aptamers Targeting Tumor Tissue and Cancer Cells for Efficient in Vivo Recognition and Enrichment. CCS Chemistry, 2022, 4, 2581-2587.	7.8	10
789	Fluorescence detection of milk allergen Î²-lactoglobulin based on aptamers and WS₂ nanosheets. Journal of Materials Chemistry B, 2022, 10, 6752-6757.	5.8	10
790	A novel probe for tetracyclines detection and its applications in cell imaging based on fluorescent WS2 quantum dots. Analytica Chimica Acta, 2022, 1221, 340130.	5.4	10
791	Two-dimensional biochemical imaging sensor for spatially resolved glutamate monitoring. Analytica Chimica Acta, 1999, 401, 91-94.	5.4	9
792	RNA-templated single-base mutation detection based on T4 DNA ligase and reverse molecular beacon. Talanta, 2008, 75, 1388-1393.	5.5	9

#	Article	IF	Citations
793	Aptamers against Cells Overexpressing Glypicanâ€...3 from Expanded Genetic Systems Combined with Cell Engineering and Laboratory Evolution. Angewandte Chemie, 2016, 128, 12560-12563.	2.0	9
794	Free-Floating 2D Nanosheets with a Superlattice Assembled from Fe3O4 Nanoparticles for Peroxidase-Mimicking Activity. ACS Applied Nano Materials, 2018, 1, 5389-5395.	5.0	9
795	In Vitro Study of Colon Cancer Cell Migration Using Eâ€Jet 3D Printed Cell Culture Platforms. Macromolecular Bioscience, 2018, 18, e1800205.	4.1	9
796	Interaction-Transferable Graphene-Isolated Superstable AuCo Nanocrystal-Enabled Direct Cyanide Capture. Analytical Chemistry, 2019, 91, 8762-8766.	6.5	9
797	A Novel Small Molecule Inhibits Intrahepatocellular Accumulation of Z-Variant Alpha 1-Antitrypsin In Vitro and In Vivo. Cells, 2019, 8, 1586.	4.1	9
798	Metabolic Labeling of Peptidoglycan with NIRâ€II Dye Enables In Vivo Imaging of Gut Microbiota. Angewandte Chemie, 2020, 132, 2650-2655.	2.0	9
799	Precise Deposition of Polydopamine on Cancer Cell Membrane as Artificial Receptor for Targeted Drug Delivery. IScience, 2020, 23, 101750.	4.1	9
800	Framework nucleic acid-based confined enzyme cascade for efficient synergistic cancer therapy in vivo. Science China Chemistry, 2021, 64, 660-665.	8.2	9
801	A new paradigm for artesunate anticancer function: considerably enhancing the cytotoxicity via conjugating artesunate with aptamer. Signal Transduction and Targeted Therapy, 2021, 6, 327.	17.1	9
802	Structureâ€•and Interactionâ€Based Design of Antiâ€SARSâ€CoVâ€2 Aptamers. Chemistry - A European Journal, 2022, 28, .	3.3	9
803	Subwavelength Optical Microscopy and Spectroscopy Using Near-Field Optics. Critical Reviews in Solid State and Materials Sciences, 2000, 25, 87-162.	12.3	8
804	FEMTOLITER MICROARRAY WELLS FOR ULTRASENSITIVE DNA/mRNA DETECTION. Instrumentation Science and Technology, 2002, 30, 465-476.	1.8	8
805	Synthesis of CdSâ€“Au2Sâ€“Au hybrid dendritic nanostructures. Materials Letters, 2010, 64, 489-492.	2.6	8
806	â€œTrojan Horseâ€•DNA Nanostructure for Personalized Theranostics: Can It Knock on the Door of Preclinical Practice?. Langmuir, 2018, 34, 15028-15044.	3.5	8
807	Crossâ€Linked Aptamerâ€“Lipid Micelles for Excellent Stability and Specificity in Targetâ€Cell Recognition. Angewandte Chemie, 2018, 130, 11763-11767.	2.0	8
808	Antibacterial Fusion Protein BPI21/LL-37 Modification Enhances the Therapeutic Efficacy of hUC-MSCs in Sepsis. Molecular Therapy, 2020, 28, 1806-1817.	8.2	8
809	A minireview on multiparameter-activated nanodevices for cancer imaging and therapy. Nanoscale, 2020, 12, 21571-21582.	5.6	8
810	High glutamate concentration reverses the inhibitory effect of microglial adenosine 2A receptor on NLRP3 inflammasome assembly and activation. Neuroscience Letters, 2022, 769, 136431.	2.1	8

#	Article	IF	Citations
811	Development of a single molecule optical probe. Thin Solid Films, 1998, 331, 189-193.	1.8	7
812	Optical measurements on the nanometer scale. TrAC - Trends in Analytical Chemistry, 1998, 17, 501-513.	11.4	7
813	Real time monitoring of nucleic acids ligation based on molecular beacon. Science Bulletin, 2003, 48, 1215-1218.	1.7	7
814	Characterization of Different Sequences of DNA on Si Substrate by Atomic Force Microscopy and Gold Nanoparticle Labeling. Journal of Nanoscience and Nanotechnology, 2007, 7, 418-423.	0.9	7
815	Study on the specific interaction between angiogenin and aptamer by atomic force microscopy (AFM). Science Bulletin, 2008, 53, 198-203.	1.7	7
816	NANOPARTICLES FOR BIOSENSORS. , 2008, , 583-621.		7
817	Peptideâ€Functionalized Spherical Polyelectrolyte Nanobrushes for Realâ€Time Sensing of Protease Activity. ChemBioChem, 2010, 11, 494-497.	2.6	7
818	DNA nanospheres with microfluidics: a promising platform for cancer diagnosis?. Nanomedicine, 2013, 8, 1731-1733.	3.3	7
819	Requirement of TPO/c-mpl for IL-17A-induced granulopoiesis and megakaryopoiesis. Journal of Leukocyte Biology, 2013, 94, 1303-1308.	3.3	7
820	STIP overexpression confers oncogenic potential to humanÂnonâ€small cell lung cancer cells by regulating cell cycle and apoptosis. Journal of Cellular and Molecular Medicine, 2015, 19, 2806-2817.	3.6	7
821	Fabrication of GO/magnetic graphitic nanocapsule/TiO2 assemblies as efficient and recyclable photocatalysts. Science China Chemistry, 2015, 58, 1131-1136.	8.2	7
822	Association between TLR4 and PTEN Involved in LPS-TLR4 Signaling Response. BioMed Research International, 2016, 2016, 1-9.	1.9	7
823	A Facile Process for the Preparation of Threeâ€Dimensional Hollow Zn(OH)₂ Nanoflowers at Room Temperature. Chemistry - A European Journal, 2016, 22, 11143-11147.	3.3	7
824	Personalized Singleâ€Cell Encapsulation Using Eâ€Jet 3D Printing with ACâ€Pulsed Modulation. Macromolecular Materials and Engineering, 2019, 304, 1800776.	3.6	7
825	Aptamer Enables Consistent Maytansine Delivery through Maintaining Receptor Homeostasis for HER2 Targeted Cancer Therapy. Bioconjugate Chemistry, 2020, 31, 1766-1774.	3.6	7
826	In Situ Gastric pH Imaging with Hydrogel Capsule Isolated Paramagnetic Metallo-albumin Complexes. Analytical Chemistry, 2021, 93, 5939-5946.	6.5	7
827	Aptamer Selection for Detecting Molecular Target Using Cell-SELEX (Systematic Evolution of Ligands) Tj ETQq1 1 0.784314 rgBT /Ove	0.9	7
828	Aptamerâ€“Drug Conjugation for Targeted Tumor Cell Therapy. Methods in Molecular Biology, 2011, 764, 141-152.	0.9	7

#	Article	IF	Citations
829	Engineering Enzymeâ€Cleavable Oligonucleotides by Automated Solidâ€Phase Incorporation of Cathepsin B Sensitive Dipeptide Linkers. Angewandte Chemie - International Edition, 2022, 61, .	13.8	7
830	Monitoring p21 mRNA expression in living cell based on molecular beacon fluorescence increasing rate. Science Bulletin, 2008, 53, 357-361.	1.7	6
831	Synthesis, characterization and optical properties of CdS nanorods by a simple solution chemistry method. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 166, 158-162.	3.5	6
832	Aptamer TY04 inhibits the growth of multiple myeloma cells via cell cycle arrest. Tumor Biology, 2014, 35, 7561-7568.	1.8	6
833	Comprehensive Regression Model for Dissociation Equilibria of Cell-Specific Aptamers. Analytical Chemistry, 2018, 90, 10487-10493.	6.5	6
834	Tumor Extracellular pH-Driven Cancer-Selective Artificial Receptor-Mediated Tumor-Targeted Fluorescence Imaging. Analytical Chemistry, 2019, 91, 13349-13354.	6.5	6
835	Regulation of Protein Activity and Cellular Functions Mediated by Molecularly Evolved Nucleic Acids. Angewandte Chemie, 2019, 131, 1635-1639.	2.0	6
836	Artificial Sandwich Base for Monitoring Single-Nucleobase Changes and Charge-Transfer Rates in DNA. Analytical Chemistry, 2019, 91, 2074-2078.	6.5	6
837	Enzyme-mimic activity study of superstable and ultrasmall graphene encapsuled CoRu nanocrystal. APL Materials, 2021, 9, .	5.1	6
838	Multicolor Twoâ€Photon Nanosystem for Multiplexed Intracellular Imaging and Targeted Cancer Therapy. Angewandte Chemie, 2021, 133, 12677-12684.	2.0	6
839	DNA aptamer S11e recognizes fibrosarcoma and acts as a tumor suppressor. Bioactive Materials, 2022, 12, 278-291.	15.6	6
840	Chargeâ€Transfer Cocrystal via a Persistent Radical Cation Acceptor for Efficient Solarâ€Thermal Conversion. Angewandte Chemie, 0, , .	2.0	6
841	Engineering AND-Gate Aptamer-Signal Base Conjugates for Targeted Magnetic Resonance Molecular Imaging of Metastatic Cancer. ACS Applied Materials & Interfaces, 2022, 14, 17032-17041.	8.0	6
842	Two-Dimensional Imaging Biosensor for the Monitoring of Lactate Released from Brain Slices. Applied Spectroscopy, 2003, 57, 689-696.	2.2	5
843	Real-time Protein Monitoring Based on Molecular Beacons. Current Proteomics, 2004, 1, 315-324.	0.3	5
844	A fibre-optic mode-filtered light sensor for general and fast chemical assay. Measurement Science and Technology, 2004, 15, 137-142.	2.6	5
845	Bioconjugated Silica Nanoparticles for Bioanalytical Applications. , 2005, , 444-457.		5
846	Smart Humanâ€Serumâ€Albuminâ€“As₂O₃ Nanodrug with Selfâ€Amplified Folate Receptorâ€Targeting Ability for Chronic Myeloid Leukemia Treatment. Angewandte Chemie, 2017, 129, 10985-10989.	2.0	5

#	Article	IF	Citations
847	Single-molecule DNA logic nanomachines based on origami. Science China Chemistry, 2019, 62, 407-408.	8.2	5
848	Engineering G-quadruplex aptamer to modulate its binding specificity. National Science Review, 2021, 8, nwaa202.	9.5	5
849	A microRNA-21-responsive doxorubicin-releasing sticky-flare for synergistic anticancer with silencing of microRNA and chemotherapy. Science China Chemistry, 2021, 64, 1009-1019.	8.2	5
850	Highly Stable 3D Supercuboids to 2D ZnSe Nanosheets: Formation for a High-Efficiency Catalysis System. Journal of Physical Chemistry Letters, 2022, 13, 1855-1862.	4.6	5
851	A versatile strategy for convenient circular bivalent functional nucleic acids construction. National Science Review, 2023, 10, .	9.5	5
852	<title>Spectral analysis of surfaces at subwavelength resolution</title>. , 1992, , .		4
853	Novel protein detection method based on proximity-dependent polymerase reaction and aptamers. Science Bulletin, 2008, 53, 204-208.	1.7	4
854	The Scope of Analytical Chemistry. Analytical Chemistry, 2015, 87, 6425-6425.	6.5	4
855	Conformational Conversion Enhances Cellular Uptake of F Base Double-Strand-Conjugated Oligonucleotides. Analytical Chemistry, 2020, 92, 10375-10380.	6.5	4
856	Effect of sodium butyrate regulating IRAK1 (interleukin-1 receptor-associated kinase 1) on visceral hypersensitivity in irritable bowel syndrome and its mechanism. Bioengineered, 2021, 12, 1436-1444.	3.2	4
857	Dendrimeric Antenna Supermolecules with Multistep Directed Energy Transfer. , 1998, , 521-533.		4
858	Multifunctional Shape Memory Films for a Flexible Electrical Sensor. Macromolecular Materials and Engineering, 2021, 306, .	3.6	4
859	Nucleic acid aptamer controls mycoplasma infection for inhibiting the malignancy of esophageal squamous cell carcinoma. Molecular Therapy, 2022, 30, 2224-2241.	8.2	4
860	Aptamer-Based Analysis and Manipulation of the Protein Activity in Living Cells. Analytical Chemistry, 2022, 94, 4352-4358.	6.5	4
861	Computer-Aided Design of DNA Self-Limited Assembly for Relative Quantification of Membrane Proteins. Analytical Chemistry, 2022, 94, 10263-10270.	6.5	4
862	<title>Nanometer optical fiber pH sensor</title>. , 1993, , .		3
863	<title>Near-field fiber optic chemical sensors and biological applications</title>. , 1994, 2068, 59.		3
864	Quantitative detection of ING1 mRNA under different gene regulation based on molecular beacon. Science Bulletin, 2006, 51, 2059-2064.	1.7	3

#	Article	IF	Citations
865	Using force spectroscopy analysis to improve the properties of the hairpin probe. Nucleic Acids Research, 2007, 35, e145-e145.	14.5	3
866	Fidelity genotyping of point mutation by enhanced melting point difference using DNA ligase. Talanta, 2007, 73, 23-29.	5.5	3
867	Ultrasensitive monitoring of ribozyme cleavage product using molecular-beacon-ligation system. Science Bulletin, 2007, 52, 603-607.	1.7	3
868	mRNA detection in living cell using phosphorothioate-modified molecular beacon. Science Bulletin, 2009, 54, 1507-1514.	9.0	3
869	Atomic Force Microscopy Study of the Effects of Waterâ€Soluble Fullerenes on the Elasticity of Living Plant Cells. Chemistry - an Asian Journal, 2013, 8, 2388-2394.	3.3	3
870	RÃ¼cktitelbild: A Smart Photosensitizerâ€“Manganese Dioxide Nanosystem for Enhanced Photodynamic Therapy by Reducing Glutathione Levels in Cancer Cells (Angew. Chem. 18/2016). Angewandte Chemie, 2016, 128, 5702-5702.	2.0	3
871	Improving early detection of cancers by profiling extracellular vesicles. Expert Review of Proteomics, 2019, 16, 545-547.	3.0	3
872	A molecular recognition-activatable DNA nanofirecracker enables signal-enhanced imaging in living cells. Chemical Communications, 2020, 56, 3131-3134.	4.1	3
873	In vitro adipogenesis and long-term adipocyte culture in adipose tissue-derived cell banks. Biofabrication, 2021, 13, 035052.	7.1	3
874	Oxygen Vacancyâ€Driven Reversible Free Radical Catalysis for Environmentâ€Adaptive Cancer Chemodynamic Therapy. Angewandte Chemie, 2021, 133, 21111-21119.	2.0	3
875	Fluorescent Aptamer Sensors. , 2009, , 111-130.		3
876	Near-field optics: Chemical sensors, photon supertips and subwavelength spectroscopy. , 1994, , 301-318.		3
877	Ferroceneâ€Containing Nucleic Acidâ€Based Energyâ€Storage Nanoagent for Continuously Photoâ€Induced Oxidative Stress Amplification. Angewandte Chemie, 2022, 134, .	2.0	3
878	Natural interface-mediated self-assembly of graphene-isolated-nanocrystals for plasmonic arrays construction and personalized information acquisition. Nano Research, 2022, 15, 9327-9333.	10.4	3
879	<title>Single and multiple molecular beacon probes for DNA hybridization studies on a silica glass surface</title>. , 1999, , .		2
880	<title>Microfabrication of biosensors for neurotransmitter analysis</title>. , 1999, , .		2
881	Optical DNA biosensor based on molecular beacon immobilized on sol-gel membrane. , 2001, , .		2
882	Preparation and application of silica-coated magnetic nanoparticles. , 2001, , .		2

#	Article	IF	Citations
883	Synthesis, Characterization and Photoluminescence of CdS Hyperbranched Nanocrystals by a Simple Solution Chemistry Method. Journal of Nanoscience and Nanotechnology, 2010, 10, 5857-5863.	0.9	2
884	Using Live Cells to Generate Aptamers for Cancer Study. Methods in Molecular Biology, 2010, 629, 353-365.	0.9	2
885	Intercellular Connections Related to Cellâ€“Cell Crosstalk Specifically Recognized by an Aptamer. Angewandte Chemie, 2016, 128, 3982-3986.	2.0	2
886	Chelation-assisted assembly of multidentate colloidal nanoparticles into metalâ€“organic nanoparticles. Nanoscale, 2018, 10, 21369-21373.	5.6	2
887	Decoding the Complex Free Radical Cascade by Using a DNA Frameworkâ€Based Artificial DNA Encoder. Angewandte Chemie, 2021, 133, 10840-10850.	2.0	2
888	Aptamer-Conjugated Nanomaterials for Specific Cancer Diagnosis and Targeted Therapy. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2018, 34, 348-360.	4.9	2
889	Engineering Enzymeâ€Cleavable Oligonucleotides by Automated Solidâ€Phase Incorporation of Cathepsin B Sensitive Dipeptide Linkers. Angewandte Chemie, 2022, 134, .	2.0	2
890	Molecular Nano-Lenses: Directed Energy Migration and Back-Transfer in Dendrimeric Antenna Supermolecules. Molecular Crystals and Liquid Crystals, 1998, 314, 37-46.	0.3	1
891	Real Time pH Measurements in the Intact Rat Conceptus Using Ultramicrofiber-Optic Sensors. ACS Symposium Series, 1998, , 266-272.	0.5	1
892	Evanescent energy in square and circular fibers. Journal of Mathematical Chemistry, 2000, 27, 251-265.	1.5	1
893	Shining a Light on the Molecular and Nanoscopic Worlds. ACS Photonics, 2015, 2, 787-789.	6.6	1
894	Direct Liquefaction of Bamboo in Ethanol-Phenol Co- Solvent. BioResources, 2016, 11, .	1.0	1
895	Molecular science vs. molecular medicine. National Science Review, 2019, 6, 1102-1102.	9.5	1
896	Aptamer-based Cell Recognition and Detection. Current Analytical Chemistry, 2022, 18, 612-621.	1.2	1
897	Distributed Model Predictive Control of Vehicle Platoons with Random Packet Loss. , 2021, , .		1
898	Manipulation of Multiple Cellâ€“Cell Interactions by Tunable DNA Scaffold Networks. Angewandte Chemie, 2022, 134, .	2.0	1
899	Aptasensors for Cancerous Exosome Detection. Methods in Molecular Biology, 2022, 2504, 3-20.	0.9	1
900	<title>Scanning exciton microscopy and single-molecule resolution and detection</title>. , 1991, 1435, 96.		0

#	Article	IF	Citations
901	<title>Subwavelength optical probes for sensitive analysis</title>. , 1998, , .		0
902	<title>Imaging single molecules and direct observation of single molecule reaction at a solid-liquid interface</title>. , 2000, 3922, 114.		0
903	<title>Novel molecular beacon assays for DNA cleavage reactions</title>. , 2001, , .		0
904	Bis-porphyrin-based selective fluorescence recognition for histidine. , 2001, , .		0
905	<title>Ultrasensitive DNA and protein analysis using molecular beacon probes</title>. , 2001, , .		0
906	A Special Issue on The International Symposium on Bioanalysis, Biotechnology and Nanotechnology. Journal of Nanoscience and Nanotechnology, 2004, 4, 559-560.	0.9	0
907	Biophotonics using bioconjugated nanoparticles. , 0, , .		0
908	Cancer Cell Proteomics Using Molecular Aptamers. , 2005, , 73-85.		0
909	Biomedical Applications Based on Core-Shell Nanoparticles. , 2005, 2006, 717-9.		0
910	Study on the Cytochrome C Separation Based on Silica Coated Magnetic Nanoparticles. , 2007, , .		0
911	Novel Nanostructures as Molecular Nanomotors. , 0, , 49-60.		0
912	<I>A Special Section on</I> The 3rd International Symposium on Biomedical Engineering, Bioanalysis and Nanotechnology (ISBBN 2008). Journal of Biomedical Nanotechnology, 2009, 5, 493-494.	1.1	0
913	Integration of optical devices and nanotechnology for conducting genome research. , 2011, , .		0
914	Combined Effects of Nanofiber Matrix Elasticity and VEGF-A on the Differentiation of Mesenchymal Stem Cells Towards Mature Endothelial Cells. , 2012, , .		0
915	The Effects of Mechanical and Chemical Stimuli on Mesenchymal Stem Cell Vascular Trans-Differentiation and Paracrine Signaling. , 2013, , .		0
916	Rapid Capture of Rare Cancer Cells Using a High-Performance Microfluidic Chip. , 2013, , .		0
917	New researches of State Key Laboratories in Analytical Chemistry. Science China Chemistry, 2016, 59, 781-782.	8.2	0
918	Meet our Honorary Senior Advisor. Current Analytical Chemistry, 2019, 15, 523-523.	1.2	0

#	Article	IF	Citations
919	Frontispiece: Smart Nanodrug with Nuclear Localization Sequences in the Presence of MMPâ€2 To Overcome Biobarriers and Drug Resistance. Chemistry - A European Journal, 2019, 25, .	3.3	0
920	Unlocking multiplexing in deep tissue. Science China Chemistry, 2019, 62, 157-158.	8.2	0
921	Dualâ€targeting Circular Aptamer Strategy Enabled Recognition of Different Leukemia Cells with Enhanced Binding Ability. Angewandte Chemie, 0, , .	2.0	0
922	Bioconjugated Nanoparticles for Biotechnology and Bioanalysis. , 2007, , .		0
923	Biosensors for the Genomic Age. , 2009, , 590-598.		0
924	MODIFYING CELLULAR PROPERTIES USING ARTIFICIAL APTAMERâ€LIPID RECEPTORS. FASEB Journal, 2011, 25, lb386.	0.5	0
925	Abstract B97: AS1411-Doxorubicin adduct for targeted liver cancer therapy.. , 2013, , .		0
926	Engineering Aptamers with Selectively Enhanced Biostability in the Tumor Microenvironment. Angewandte Chemie, 0, , .	2.0	0