

Tan Weihong

List of Publications by Year in Descending Order

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

887
papers

64,024
citations

134
h-index

210
g-index

951
ext. papers

71,854
ext. citations

9.4
avg, IF

8.02
L-index

#	Paper	IF	Citations
887	Stabilizing Enzymes in Plasmonic Silk Film for Synergistic Therapy of In Situ SERS Identified Bacteria.. <i>Advanced Science</i> , 2022 , e2104576	13.6	6
886	Plasmon-Enhanced Electrochemiluminescence of PTP-Decorated Eu MOF-Based Pt-Tipped Au Bimetallic Nanorods for the Lincomycin Assay.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	6
885	Computer-aided design of reversible hybridization chain reaction (CAD-HCR) enables multiplexed single-cell spatial proteomics imaging.. <i>Science Advances</i> , 2022 , 8, eabk0133	14.3	3
884	Electron transfer-triggered imaging of EGFR signaling activity.. <i>Nature Communications</i> , 2022 , 13, 594	17.4	3
883	DNA aptamer S11e recognizes fibrosarcoma and acts as a tumor suppressor.. <i>Bioactive Materials</i> , 2022 , 12, 278-291	16.7	1
882	Highly Stable 3D Supercuboids to 2D ZnSe Nanosheets: Formation for a High-Efficiency Catalysis System.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 1855-1862	6.4	1
881	Novel Dual-Signal Electrochemiluminescence Aptasensor Involving the Resonance Energy Transform System for Kanamycin Detection.. <i>Analytical Chemistry</i> , 2022 ,	7.8	3
880	Elucidation of CKAP4-remodeled cell mechanics in driving metastasis of bladder cancer through aptamer-based target discovery.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2110500119	11.5	0
879	Aptasensors for Cancerous Exosome Detection.. <i>Methods in Molecular Biology</i> , 2022 , 2504, 3-20	1.4	
878	Ratiometric afterglow luminescent nanoplatfrom enables reliable quantification and molecular imaging.. <i>Nature Communications</i> , 2022 , 13, 2216	17.4	7
877	Self-assembled Pt(II) metallacycles enable precise cancer combination chemotherapy.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2202255119	11.5	1
876	A colorimetric smartphone-based platform for pesticides detection using Fe-N/C single-atom nanozyme as oxidase mimetics. <i>Journal of Hazardous Materials</i> , 2022 , 436, 129199	12.8	3
875	High glutamate concentration reverses the inhibitory effect of microglial adenosine 2A receptor on NLRP3 inflammasome assembly and activation.. <i>Neuroscience Letters</i> , 2021 , 769, 136431	3.3	0
874	Aptamer-assisted tumor localization of bacteria for enhanced biotherapy. <i>Nature Communications</i> , 2021 , 12, 6584	17.4	15
873	Engineering DNA on the Surface of Upconversion Nanoparticles for Bioanalysis and Therapeutics. <i>ACS Nano</i> , 2021 ,	16.7	6
872	Spherical Neutralizing Aptamer Inhibits SARS-CoV-2 Infection and Suppresses Mutational Escape. <i>Journal of the American Chemical Society</i> , 2021 ,	16.4	9
871	Nucleic acid-based molecular computation heads towards cellular applications. <i>Chemical Society Reviews</i> , 2021 , 50, 12551-12575	58.5	6

870	A High-Wet-Strength Biofilm for Readable and Highly Sensitive Humidity Sensors. <i>Nano Letters</i> , 2021 , 21, 9030-9037	11.5	3
869	Programmable Repurposing of Existing Drugs as Pharmaceutical Elements for the Construction of Aptamer-Drug Conjugates. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 9457-9463	9.5	4
868	A Cascade Signaling Network between Artificial Cells Switching Activity of Synthetic Transmembrane Channels. <i>Journal of the American Chemical Society</i> , 2021 , 143, 232-240	16.4	21
867	In vivo activation of pH-responsive oxidase-like graphitic nanozymes for selective killing of <i>Helicobacter pylori</i> . <i>Nature Communications</i> , 2021 , 12, 2002	17.4	34
866	Aptamer-Based Detection of Circulating Targets for Precision Medicine. <i>Chemical Reviews</i> , 2021 , 121, 12035-12105	68.1	61
865	DNA-Based Dynamic Mimicry of Membrane Proteins for Programming Adaptive Cellular Interactions. <i>Journal of the American Chemical Society</i> , 2021 , 143, 4585-4592	16.4	24
864	Gastric pH Imaging with Hydrogel Capsule Isolated Paramagnetic Metallo-albumin Complexes. <i>Analytical Chemistry</i> , 2021 , 93, 5939-5946	7.8	2
863	Novel Anthocyanin-Based Colorimetric Assay for the Rapid, Sensitive, and Quantitative Detection of. <i>Analytical Chemistry</i> , 2021 , 93, 6246-6253	7.8	15
862	Aptamer-Pendant DNA Tetrahedron Nanostructure Probe for Ultrasensitive Detection of Tetracycline by Coupling Target-Triggered Rolling Circle Amplification. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 19695-19700	9.5	20
861	A microRNA-21-responsive doxorubicin-releasing sticky-flare for synergistic anticancer with silencing of microRNA and chemotherapy. <i>Science China Chemistry</i> , 2021 , 64, 1009-1019	7.9	2
860	Decoding the Complex Free Radical Cascade by Using a DNA Framework-Based Artificial DNA Encoder. <i>Angewandte Chemie</i> , 2021 , 133, 10840-10850	3.6	2
859	Decoding the Complex Free Radical Cascade by Using a DNA Framework-Based Artificial DNA Encoder. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 10745-10755	16.4	4
858	Multicolor Two-Photon Nanosystem for Multiplexed Intracellular Imaging and Targeted Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 12569-12576	16.4	15
857	Aptamer-Based Logic Computing Reaction on Living Cells to Enable Non-Antibody Immune Checkpoint Blockade Therapy. <i>Journal of the American Chemical Society</i> , 2021 , 143, 8391-8401	16.4	15
856	Enzyme-mimic activity study of superstable and ultrasmall graphene encapsulated CoRu nanocrystal. <i>APL Materials</i> , 2021 , 9, 051110	5.7	1
855	Multicolor Two-Photon Nanosystem for Multiplexed Intracellular Imaging and Targeted Cancer Therapy. <i>Angewandte Chemie</i> , 2021 , 133, 12677-12684	3.6	1
854	Rapid One-Step Detection of Viral Particles Using an Aptamer-Based Thermophoretic Assay. <i>Journal of the American Chemical Society</i> , 2021 , 143, 7261-7266	16.4	22
853	Logic-Gated Cell-Derived Nanovesicles via DNA-Based Smart Recognition Module. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 30397-30403	9.5	5

852	Enhancing anti-PD-1 Immunotherapy by Nanomicelles Self-Assembled from Multivalent Aptamer Drug Conjugates. <i>Angewandte Chemie</i> , 2021 , 133, 15587-15593	3.6	0
851	Rapid water-responsive shape memory films for smart resistive bending sensors. <i>Nano Today</i> , 2021 , 38, 101202	17.9	7
850	Regulating the Anticancer Efficacy of Sgc8-Combretastatin A4 Conjugates: A Case of Recognizing the Significance of Linker Chemistry for the Design of Aptamer-Based Targeted Drug Delivery Strategies. <i>Journal of the American Chemical Society</i> , 2021 , 143, 8559-8564	16.4	3
849	Enhancing anti-PD-1 Immunotherapy by Nanomicelles Self-Assembled from Multivalent Aptamer Drug Conjugates. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 15459-15465	16.4	16
848	DeepR2cov: deep representation learning on heterogeneous drug networks to discover anti-inflammatory agents for COVID-19. <i>Briefings in Bioinformatics</i> , 2021 , 22,	13.4	7
847	Engineering a Second-Order DNA Logic-Gated Nanorobot to Sense and Release on Live Cell Membranes for Multiplexed Diagnosis and Synergistic Therapy. <i>Angewandte Chemie</i> , 2021 , 133, 15950-15954	16.4	1
846	Engineering a Second-Order DNA Logic-Gated Nanorobot to Sense and Release on Live Cell Membranes for Multiplexed Diagnosis and Synergistic Therapy. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 15816-15820	16.4	18
845	Nucleic Acid Aptamers for Molecular Diagnostics and Therapeutics: Advances and Perspectives. <i>Angewandte Chemie</i> , 2021 , 133, 2249-2259	3.6	3
844	Nucleic Acid Aptamers for Molecular Diagnostics and Therapeutics: Advances and Perspectives. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 2221-2231	16.4	65
843	DNA hydrogel-based gene editing and drug delivery systems. <i>Advanced Drug Delivery Reviews</i> , 2021 , 168, 79-98	18.5	50
842	Enhancing the Nucleolytic Resistance and Bioactivity of Functional Nucleic Acids by Diverse Nanostructures through in Situ Polymerization-Induced Self-assembly. <i>ChemBioChem</i> , 2021 , 22, 754-759	3.8	4
841	In situ pepsin-assisted needle assembly of magnetic-graphitic-nanocapsules for enhanced gastric retention and mucus penetration. <i>Nano Today</i> , 2021 , 36, 101032	17.9	6
840	Integrating DNA Nanotechnology with Aptamers for Biological and Biomedical Applications. <i>Matter</i> , 2021 , 4, 461-489	12.7	20
839	Aptamer-Peptide Conjugates as Targeted Chemosensitizers for Breast Cancer Treatment. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 9436-9444	9.5	12
838	DNA origami-based protein networks: from basic construction to emerging applications. <i>Chemical Society Reviews</i> , 2021 , 50, 1846-1873	58.5	16
837	A General Strategy for Development of Activatable NIR-II Fluorescent Probes for In Vivo High-Contrast Bioimaging. <i>Angewandte Chemie</i> , 2021 , 133, 813-818	3.6	11
836	A General Strategy for Development of Activatable NIR-II Fluorescent Probes for In Vivo High-Contrast Bioimaging. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 800-805	16.4	48
835	Engineering G-quadruplex aptamer to modulate its binding specificity. <i>National Science Review</i> , 2021 , 8, nwa202	10.8	4

834	New Insights from Chemical Biology: Molecular Basis of Transmission, Diagnosis, and Therapy of SARS-CoV-2. <i>CCS Chemistry</i> , 2021 , 3, 1501-1528	7.2	4
833	Effect of sodium butyrate regulating IRAK1 (interleukin-1 receptor-associated kinase 1) on visceral hypersensitivity in irritable bowel syndrome and its mechanism. <i>Bioengineered</i> , 2021 , 12, 1436-1444	5.7	1
832	Graphene encapsulated Ru nanocrystal with highly-efficient peroxidase-like activity for glutathione detection at near-physiological pH. <i>Chemical Communications</i> , 2021 , 57, 7669-7672	5.8	4
831	Functional Aptamer-Embedded Nanomaterials for Diagnostics and Therapeutics. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 9542-9560	9.5	12
830	Gradient Magnetic Separation and Fluorescent Imaging-Based Heterogeneous Circulating Tumor Cell Subpopulations Assay with Biomimetic Multifunctional Nanoprobes. <i>Advanced Functional Materials</i> , 2021 , 31, 2009937	15.6	6
829	Stimulus-responsive nanomaterials containing logic gates for biomedical applications. <i>Cell Reports Physical Science</i> , 2021 , 2, 100350	6.1	4
828	A Hydrophobic Sisal Cellulose Microcrystal Film for Fire Alarm Sensors. <i>Nano Letters</i> , 2021 , 21, 2104-2110	11.5	13
827	Rapid One-Pot Detection of SARS-CoV-2 Based on a Lateral Flow Assay in Clinical Samples. <i>Analytical Chemistry</i> , 2021 , 93, 3325-3330	7.8	39
826	Framework nucleic acid-based confined enzyme cascade for efficient synergistic cancer therapy in vivo. <i>Science China Chemistry</i> , 2021 , 64, 660-665	7.9	1
825	A de novo strategy to develop NIR precipitating fluorochrome for long-term in situ cell membrane bioimaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	8
824	CD36 as a Molecular Target of Functional DNA Aptamer NAFLD01 Selected against NAFLD Cells. <i>Analytical Chemistry</i> , 2021 , 93, 3951-3958	7.8	0
823	adipogenesis and long-term adipocyte culture in adipose tissue-derived cell banks. <i>Biofabrication</i> , 2021 , 13,	10.5	1
822	G-Quadruplex-Induced Liquid-Liquid Phase Separation in Biomimetic Protocells. <i>Journal of the American Chemical Society</i> , 2021 , 143, 11036-11043	16.4	6
821	DNA Nanostructure-Programmed Cell Entry via Corner Angle-Mediated Molecular Interaction with Membrane Receptors. <i>Nano Letters</i> , 2021 , 21, 6946-6951	11.5	10
820	Oxygen Vacancy-Driven Reversible Free Radical Catalysis for Environment-Adaptive Cancer Chemodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 20943-20951	16.4	10
819	Plasmon Coupling in DNA-Assembled Silver Nanoclusters. <i>Journal of the American Chemical Society</i> , 2021 , 143, 14573-14580	16.4	2
818	Aptamer-Conjugated Micelles for Targeted Photodynamic Therapy Via Photoinitiated Polymerization-Induced Self-Assembly. <i>Macromolecules</i> , 2021 , 54, 7354-7363	5.5	4
817	Oxygen Vacancy-Driven Reversible Free Radical Catalysis for Environment-Adaptive Cancer Chemodynamic Therapy. <i>Angewandte Chemie</i> , 2021 , 133, 21111-21119	3.6	0

816	Plasmonic AuPt@CuS Heterostructure with Enhanced Synergistic Efficacy for Radiophothermal Therapy. <i>Journal of the American Chemical Society</i> , 2021 , 143, 16113-16127	16.4	15
815	Calcium Phosphate-Reinforced Metal-Organic Frameworks Regulate Adenosine-Mediated Immunosuppression. <i>Advanced Materials</i> , 2021 , 33, e2102271	24	8
814	A new paradigm for artesunate anticancer function: considerably enhancing the cytotoxicity via conjugating artesunate with aptamer. <i>Signal Transduction and Targeted Therapy</i> , 2021 , 6, 327	21	1
813	Construction of a Polarity-Switchable Photoelectrochemical Biosensor for Ultrasensitive Detection of miRNA-141. <i>Analytical Chemistry</i> , 2021 , 93, 13727-13733	7.8	10
812	Manipulation of Multiple Cell-Cell Interactions by Tunable DNA Scaffold Networks. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	2
811	Ultrasensitive Photoelectrochemical Biosensor Based on Novel Z-Scheme Heterojunctions of Zn-Defective CdS/ZnS for MicroRNA Assay.. <i>Analytical Chemistry</i> , 2021 , 93, 17134-17140	7.8	3
810	Precise Deposition of Polydopamine on Cancer Cell Membrane as Artificial Receptor for Targeted Drug Delivery. <i>IScience</i> , 2020 , 23, 101750	6.1	4
809	Beyond Blocking: Engineering RNAi-Mediated Targeted Immune Checkpoint Nanoblocker Enables T-Cell-Independent Cancer Treatment. <i>ACS Nano</i> , 2020 ,	16.7	10
808	3D printed tumor tissue model of colorectal cancer. <i>Theranostics</i> , 2020 , 10, 12127-12143	12.1	15
807	MicroRNA-Initiated and Intracellular Na-Fueled DNAzyme Motor for Differentiating Molecular Subtypes of Non-small Cell Lung Cancer. <i>Analytical Chemistry</i> , 2020 , 92, 7404-7408	7.8	34
806	Aptamer Enables Consistent Maytansine Delivery through Maintaining Receptor Homeostasis for HER2 Targeted Cancer Therapy. <i>Bioconjugate Chemistry</i> , 2020 , 31, 1766-1774	6.3	5
805	Conformational Conversion Enhances Cellular Uptake of F Base Double-Strand-Conjugated Oligonucleotides. <i>Analytical Chemistry</i> , 2020 , 92, 10375-10380	7.8	1
804	Modularly Engineered Solid-Phase Synthesis of Aptamer-Functionalized Small Molecule Drugs for Targeted Cancer Therapy. <i>Advanced Therapeutics</i> , 2020 , 3, 2000074	4.9	9
803	Imaging of peroxynitrite in drug-induced acute kidney injury with a near-infrared fluorescence and photoacoustic dual-modal molecular probe. <i>Chemical Communications</i> , 2020 , 56, 8103-8106	5.8	16
802	Aptamers as Versatile Molecular Tools for Antibody Production Monitoring and Quality Control. <i>Journal of the American Chemical Society</i> , 2020 , 142, 12079-12086	16.4	12
801	Aptamer-based optical manipulation of protein subcellular localization in cells. <i>Nature Communications</i> , 2020 , 11, 1347	17.4	19
800	A programmable polymer library that enables the construction of stimuli-responsive nanocarriers containing logic gates. <i>Nature Chemistry</i> , 2020 , 12, 381-390	17.6	62
799	Size-selective molecular recognition based on a confined DNA molecular sieve using cavity-tunable framework nucleic acids. <i>Nature Communications</i> , 2020 , 11, 1518	17.4	24

798	Molecular domino reactor built by automated modular synthesis for cancer treatment. <i>Theranostics</i> , 2020 , 10, 4030-4041	12.1	9
797	Equipping Natural Killer Cells with Specific Targeting and Checkpoint Blocking Aptamers for Enhanced Adoptive Immunotherapy in Solid Tumors. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12022-12028	16.4	61
796	Construction of Bispecific Aptamer-Drug Conjugate by a Hybrid Chemical and Biological Approach. <i>Bioconjugate Chemistry</i> , 2020 , 31, 1289-1294	6.3	6
795	Tumor microenvironment (TME)-activatable circular aptamer-PEG as an effective hierarchical-targeting molecular medicine for photodynamic therapy. <i>Biomaterials</i> , 2020 , 246, 119971	15.6	29
794	DNA-Modulated Plasmon Resonance: Methods and Optical Applications. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 14741-14760	9.5	14
793	Circular Bispecific Aptamer-Mediated Artificial Intercellular Recognition for Targeted T Cell Immunotherapy. <i>ACS Nano</i> , 2020 , 14, 9562-9571	16.7	32
792	DNA-based artificial molecular signaling system that mimics basic elements of reception and response. <i>Nature Communications</i> , 2020 , 11, 978	17.4	35
791	Improving Tumor Accumulation of Aptamers by Prolonged Blood Circulation. <i>Analytical Chemistry</i> , 2020 , 92, 4108-4114	7.8	13
790	Enhanced in Vivo Blood-Brain Barrier Penetration by Circular Tau-Transferrin Receptor Bifunctional Aptamer for Tauopathy Therapy. <i>Journal of the American Chemical Society</i> , 2020 , 142, 3862-3872	16.4	36
789	Learning from Artemisinin: Bioinspired Design of a Reaction-Based Fluorescent Probe for the Selective Sensing of Labile Heme in Complex Biosystems. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2129-2133	16.4	24
788	Biomineralized nanoparticles enable an enzyme-assisted DNA signal amplification in living cells. <i>Chemical Communications</i> , 2020 , 56, 2901-2904	5.8	7
787	A molecular recognition-activatable DNA nanofirecracker enables signal-enhanced imaging in living cells. <i>Chemical Communications</i> , 2020 , 56, 3131-3134	5.8	3
786	Programmable pH-Responsive DNA Nanosensors for Imaging Exocytosis and Retrieval of Synaptic Vesicles. <i>Analytical Chemistry</i> , 2020 , 92, 3620-3626	7.8	5
785	Generalized preparation of Au NP @ Ni(OH) ₂ yolk-shell NPs and their enhanced catalytic activity. <i>Nano Energy</i> , 2020 , 71, 104542	17.1	16
784	Metal-Organic Framework Nanocarriers for Drug Delivery in Biomedical Applications. <i>Nano-Micro Letters</i> , 2020 , 12, 103	19.5	137
783	Adipose specific aptamer adipo-8 recognizes and interacts with APMAP to ameliorates fat deposition in vitro and in vivo. <i>Life Sciences</i> , 2020 , 251, 117609	6.8	7
782	E-jet 3D printed drug delivery implants to inhibit growth and metastasis of orthotopic breast cancer. <i>Biomaterials</i> , 2020 , 230, 119618	15.6	29
781	Human serum albumin as an intrinsic signal amplification amplifier for ultrasensitive assays of the prostate-specific antigen in human plasma. <i>Chemical Communications</i> , 2020 , 56, 1843-1846	5.8	10

780	Molecular Self-Assembly of Bioorthogonal Aptamer-Prodrug Conjugate Micelles for Hydrogen Peroxide and pH-Independent Cancer Chemodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2020 , 142, 937-944	16.4	94
779	Molecularly Engineering Triptolide with Aptamers for High Specificity and Cytotoxicity for Triple-Negative Breast Cancer. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2699-2703	16.4	36
778	Conjugating Aptamer and Mitomycin C with Reductant-Responsive Linker Leading to Synergistically Enhanced Anticancer Effect. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2532-2540	16.4	24
777	In Vivo Monocyte/Macrophage-Hitchhiked Intratumoral Accumulation of Nanomedicines for Enhanced Tumor Therapy. <i>Journal of the American Chemical Society</i> , 2020 , 142, 382-391	16.4	41
776	Polymeric Engineering of Aptamer-Drug Conjugates for Targeted Cancer Therapy. <i>Bioconjugate Chemistry</i> , 2020 , 31, 37-42	6.3	13
775	Metabolic Labeling of Peptidoglycan with NIR-II Dye Enables In Vivo Imaging of Gut Microbiota. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 2628-2633	16.4	35
774	Metabolic Labeling of Peptidoglycan with NIR-II Dye Enables In Vivo Imaging of Gut Microbiota. <i>Angewandte Chemie</i> , 2020 , 132, 2650-2655	3.6	4
773	A materials-science perspective on tackling COVID-19. <i>Nature Reviews Materials</i> , 2020 , 1-14	73.3	123
772	Lipid-oligonucleotide conjugates for bioapplications. <i>National Science Review</i> , 2020 , 7, 1933-1953	10.8	18
771	Photorelease of Pyridines Using a Metal-Free Photoremovable Protecting Group. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 18386-18389	16.4	7
770	Transducing Complex Biomolecular Interactions by Temperature-Output Artificial DNA Signaling Networks. <i>Journal of the American Chemical Society</i> , 2020 , 142, 14234-14239	16.4	13
769	On-Site Colorimetric Detection of Cholesterol Based on Polypyrrole Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 54426-54432	9.5	26
768	Hierarchical Fabrication of DNA Wireframe Nanoarchitectures for Efficient Cancer Imaging and Targeted Therapy. <i>ACS Nano</i> , 2020 , 14, 17365-17375	16.7	10
767	HDAC2 inhibits EMT-mediated cancer metastasis by downregulating the long noncoding RNA H19 in colorectal cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020 , 39, 270	12.8	17
766	Highly Chemoselective Access to 2,2'-Diaminobiaryls via Ni-Catalyzed Protecting-Group-Free Coupling of 2-Haloanilines. <i>ACS Catalysis</i> , 2020 , 10, 13641-13649	13.1	5
765	Aptamer-Directed Protein-Specific Multiple Modifications of Membrane Glycoproteins on Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 37845-37850	9.5	15
764	Polyaniline Nanovesicles for Photoacoustic Imaging-Guided Photothermal-Chemo Synergistic Therapy in the Second Near-Infrared Window. <i>Small</i> , 2020 , 16, e2001177	11	11
763	Antibacterial Fusion Protein BPI21/LL-37 Modification Enhances the Therapeutic Efficacy of hUC-MSCs in Sepsis. <i>Molecular Therapy</i> , 2020 , 28, 1806-1817	11.7	4

762	3D printed intelligent scaffold prevents recurrence and distal metastasis of breast cancer. <i>Theranostics</i> , 2020 , 10, 10652-10664	12.1	9
761	A minireview on multiparameter-activated nanodevices for cancer imaging and therapy. <i>Nanoscale</i> , 2020 , 12, 21571-21582	7.7	3
760	Molecular Transport through a Biomimetic DNA Channel on Live Cell Membranes. <i>ACS Nano</i> , 2020 , 14, 14616-14626	16.7	7
759	Highly Sensitive MicroRNA Detection by Coupling Nicking-Enhanced Rolling Circle Amplification with MoS Quantum Dots. <i>Analytical Chemistry</i> , 2020 , 92, 13588-13594	7.8	50
758	A bispecific circular aptamer tethering a built-in universal molecular tag for functional protein delivery. <i>Chemical Science</i> , 2020 , 11, 9648-9654	9.4	5
757	Naked-Eye Readout of Analyte-Induced NIR Fluorescence Responses by an Initiation-Input-Transduction Nanoplatform. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 695-699	16.4	21
756	Naked-Eye Readout of Analyte-Induced NIR Fluorescence Responses by an Initiation-Input-Transduction Nanoplatform. <i>Angewandte Chemie</i> , 2020 , 132, 705-709	3.6	7
755	An Aptamer-Nanotrainer Assembled from Six-Letter DNA Delivers Doxorubicin Selectively to Liver Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 663-668	16.4	26
754	Equipping Natural Killer Cells with Specific Targeting and Checkpoint Blocking Aptamers for Enhanced Adoptive Immunotherapy in Solid Tumors. <i>Angewandte Chemie</i> , 2020 , 132, 12120-12126	3.6	12
753	Nucleic Acids Analysis. <i>Science China Chemistry</i> , 2020 , 64, 1-33	7.9	33
752	A Metal-Organic Framework as Selectivity Regulator for Fe and Ascorbic Acid Detection. <i>Analytical Chemistry</i> , 2019 , 91, 12453-12460	7.8	92
751	NIR-II Driven Plasmon-Enhanced Catalysis for a Timely Supply of Oxygen to Overcome Hypoxia-Induced Radiotherapy Tolerance. <i>Angewandte Chemie</i> , 2019 , 131, 15213-15219	3.6	11
750	CRISPR propels a smart hydrogel. <i>Science</i> , 2019 , 365, 754-755	33.3	7
749	Monitoring Telomerase Activity in Living Cells with High Sensitivity Using Cascade Amplification Reaction-Based Nanoprobe. <i>Analytical Chemistry</i> , 2019 , 91, 13143-13151	7.8	31
748	Aptamer Displacement Reaction from Live-Cell Surfaces and Its Applications. <i>Journal of the American Chemical Society</i> , 2019 , 141, 17174-17179	16.4	33
747	Hypoxia-Activated PEGylated Conditional Aptamer/Antibody for Cancer Imaging with Improved Specificity. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18421-18427	16.4	41
746	Tumor Extracellular pH-Driven Cancer-Selective Artificial Receptor-Mediated Tumor-Targeted Fluorescence Imaging. <i>Analytical Chemistry</i> , 2019 , 91, 13349-13354	7.8	5
745	In Situ Amplification-Based Imaging of RNA in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11574-11585	16.4	108

744	Visible Light-Driven Self-Powered Device Based on a Straddling Nano-Heterojunction and Bio-Application for the Quantitation of Exosomal RNA. <i>ACS Nano</i> , 2019 , 13, 1817-1827	16.7	15
743	Smart Nanodrug with Nuclear Localization Sequences in the Presence of MMP-2 To Overcome Biobarriers and Drug Resistance. <i>Chemistry - A European Journal</i> , 2019 , 25, 1895-1900	4.8	12
742	Molecular Engineering-Based Aptamer-Drug Conjugates with Accurate Tunability of Drug Ratios for Drug Combination Targeted Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11661-11665	16.4	34
741	Molecular Engineering-Based Aptamer-Drug Conjugates with Accurate Tunability of Drug Ratios for Drug Combination Targeted Cancer Therapy. <i>Angewandte Chemie</i> , 2019 , 131, 11787-11791	3.6	8
740	Phosphorylated lipid-conjugated oligonucleotide selectively anchors on cell membranes with high alkaline phosphatase expression. <i>Nature Communications</i> , 2019 , 10, 2704	17.4	45
739	Sequential Protein-Responsive Nanophotosensitizer Complex for Enhancing Tumor-Specific Therapy. <i>ACS Nano</i> , 2019 , 13, 6702-6710	16.7	38
738	Elucidation and Structural Modeling of CD71 as a Molecular Target for Cell-Specific Aptamer Binding. <i>Journal of the American Chemical Society</i> , 2019 , 141, 10760-10769	16.4	48
737	DNA-supramolecule conjugates in theranostics. <i>Theranostics</i> , 2019 , 9, 3262-3279	12.1	10
736	Free-standing 2D nanorrafts by assembly of 1D nanorods for biomolecule sensing. <i>Nanoscale</i> , 2019 , 11, 12169-12176	7.7	28
735	Identification and Application of an Aptamer Targeting Papillary Thyroid Carcinoma Using Tissue-SELEX. <i>Analytical Chemistry</i> , 2019 , 91, 8289-8297	7.8	28
734	Improving early detection of cancers by profiling extracellular vesicles. <i>Expert Review of Proteomics</i> , 2019 , 16, 545-547	4.2	3
733	Anticancer-Active N-Heteroaryl Amines Syntheses: Nucleophilic Amination of N-Heteroaryl Alkyl Ethers with Amines. <i>Organic Letters</i> , 2019 , 21, 5111-5115	6.2	4
732	Zinc-substituted hemoglobin with specific drug binding sites and fatty acid resistance ability for enhanced photodynamic therapy. <i>Nano Research</i> , 2019 , 12, 1880-1887	10	11
731	Monitorable Mitochondria-Targeting DNA-train for Image-Guided Synergistic Cancer Therapy. <i>Analytical Chemistry</i> , 2019 , 91, 6996-7000	7.8	16
730	In Situ Amplification-Based Imaging of RNA in Living Cells. <i>Angewandte Chemie</i> , 2019 , 131, 11698-11709	3.6	30
729	Engineering Self-Calibrating Nanoprobes with Two-Photon-Activated Fluorescence Resonance Energy Transfer for Ratiometric Imaging of Biological Selenocysteine. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 17722-17729	9.5	19
728	Ostwald Ripening-Mediated Grafting of Metal-Organic Frameworks on a Single Colloidal Nanocrystal to Form Uniform and Controllable MXF. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7407-7413	16.4	45
727	Identification of Vigilin as a Potential Ischemia Biomarker by Brain Slice-Based Systematic Evolution of Ligands by Exponential Enrichment. <i>Analytical Chemistry</i> , 2019 , 91, 6675-6681	7.8	10

726	Recent progress in engineering near-infrared persistent luminescence nanoprobes for time-resolved biosensing/bioimaging. <i>Nano Research</i> , 2019 , 12, 1279-1292	10	70
725	Single-molecule DNA logic nanomachines based on origami. <i>Science China Chemistry</i> , 2019 , 62, 407-408	7.9	5
724	Recent Progress in Small-Molecule Near-IR Probes for Bioimaging. <i>Trends in Chemistry</i> , 2019 , 1, 224-234	14.8	88
723	Recent Advances in Amphiphilic Polymer-Oligonucleotide Nanomaterials via Living/Controlled Polymerization Technologies. <i>Bioconjugate Chemistry</i> , 2019 , 30, 1889-1904	6.3	30
722	Artificial Signal Feedback Network Mimicking Cellular Adaptivity. <i>Journal of the American Chemical Society</i> , 2019 , 141, 6458-6461	16.4	31
721	Enolase1 Alleviates Cerebral Ischemia-Induced Neuronal Injury via Its Enzymatic Product Phosphoenolpyruvate. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 2877-2889	5.7	4
720	Engineering of Bioinspired, Size-Controllable, Self-Degradable Cancer-Targeting DNA Nanoflowers via the Incorporation of an Artificial Sandwich Base. <i>Journal of the American Chemical Society</i> , 2019 , 141, 4282-4290	16.4	82
719	Hybridization chain reaction-based nanoprobe for cancer cell recognition and amplified photodynamic therapy. <i>Chemical Communications</i> , 2019 , 55, 3065-3068	5.8	21
718	NIR-II Driven Plasmon-Enhanced Catalysis for a Timely Supply of Oxygen to Overcome Hypoxia-Induced Radiotherapy Tolerance. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15069-15075	16.4	84
717	Nitric Oxide-Activated "Dual-Key-One-Lock" Nanoprobe for in Vivo Molecular Imaging and High-Specificity Cancer Therapy. <i>Journal of the American Chemical Society</i> , 2019 , 141, 13572-13581	16.4	76
716	Meet our Honorary Senior Advisor. <i>Current Analytical Chemistry</i> , 2019 , 15, 523-523	1.7	
715	Recent advances in organic-dye-based photoacoustic probes for biosensing and bioimaging. <i>Science China Chemistry</i> , 2019 , 62, 1275-1285	7.9	32
714	Construction of a Multiple-Aptamer-Based DNA Logic Device on Live Cell Membranes via Associative Toehold Activation for Accurate Cancer Cell Identification. <i>Journal of the American Chemical Society</i> , 2019 , 141, 12738-12743	16.4	121
713	Interaction-Transferable Graphene-Isolated Superstable AuCo Nanocrystal-Enabled Direct Cyanide Capture. <i>Analytical Chemistry</i> , 2019 , 91, 8762-8766	7.8	5
712	Size-Tunable Assemblies Based on Ferrocene-Containing DNA Polymers for Spatially Uniform Penetration. <i>Chem</i> , 2019 , 5, 1775-1792	16.2	44
711	Cell-Membrane-Anchored DNA NanoplatforM for Programming Cellular Interactions. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18013-18020	16.4	67
710	Endocytic Pathways and Intracellular Transport of Aptamer-Drug Conjugates in Live Cells Monitored by Single-Particle Tracking. <i>Analytical Chemistry</i> , 2019 , 91, 13818-13823	7.8	8
709	Engineering Aptamer with Enhanced Affinity by Triple Helix-Based Terminal Fixation. <i>Journal of the American Chemical Society</i> , 2019 , 141, 17493-17497	16.4	42

708	Low-cost thermophoretic profiling of extracellular-vesicle surface proteins for the early detection and classification of cancers. <i>Nature Biomedical Engineering</i> , 2019 , 3, 183-193	19	167
707	Biomimetic Carriers Based on Giant Membrane Vesicles for Targeted Drug Delivery and Photodynamic/Photothermal Synergistic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 4381-4387	8.5	19
706	Generating Giant Membrane Vesicles from Live Cells with Preserved Cellular Properties. <i>Research</i> , 2019 , 2019, 6523970	7.8	13
705	Aptamer Selection for Detecting Molecular Target Using Cell-SELEX (Systematic Evolution of Ligands by Exponential Enrichment) Technology. <i>Methods in Molecular Biology</i> , 2019 , 2054, 223-241	1.4	5
704	therapeutic response monitoring by a self-reporting upconverting covalent organic framework nanoplatform. <i>Chemical Science</i> , 2019 , 11, 1299-1306	9.4	54
703	Protocells programmed through artificial reaction networks. <i>Chemical Science</i> , 2019 , 11, 631-642	9.4	20
702	Personalized Single-Cell Encapsulation Using E-Jet 3D Printing with AC-Pulsed Modulation. <i>Macromolecular Materials and Engineering</i> , 2019 , 304, 1800776	3.9	4
701	DNA-Capped Silver Nanoflakes as Fluorescent Nanosensor for Highly Sensitive Imaging of Endogenous HS in Cell Division Cycles. <i>Analytical Chemistry</i> , 2019 , 91, 15404-15410	7.8	13
700	3D halos assembled from FeO/Au NPs with enhanced catalytic and optical properties. <i>Nanoscale</i> , 2019 , 11, 20968-20976	7.7	10
699	A Novel Small Molecule Inhibits Intrahepatocellular Accumulation of Z-Variant Alpha 1-Antitrypsin In Vitro and In Vivo. <i>Cells</i> , 2019 , 8,	7.9	3
698	The influence of physiological environment on the targeting effect of aptamer-guided gold nanoparticles. <i>Nano Research</i> , 2019 , 12, 129-135	10	15
697	Unlocking multiplexing in deep tissue. <i>Science China Chemistry</i> , 2019 , 62, 157-158	7.9	
696	Regulation of Protein Activity and Cellular Functions Mediated by Molecularly Evolved Nucleic Acids. <i>Angewandte Chemie</i> , 2019 , 131, 1635-1639	3.6	5
695	Regulation of Protein Activity and Cellular Functions Mediated by Molecularly Evolved Nucleic Acids. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1621-1625	16.4	23
694	Generalized Preparation of Two-Dimensional Quasi-nanosheets via Self-assembly of Nanoparticles. <i>Journal of the American Chemical Society</i> , 2019 , 141, 1725-1734	16.4	22
693	Facile approach to prepare HSA-templated MnO nanosheets as oxidase mimic for colorimetric detection of glutathione. <i>Talanta</i> , 2019 , 195, 40-45	6.2	53
692	Aptamer-Functionalized Exosomes: Elucidating the Cellular Uptake Mechanism and the Potential for Cancer-Targeted Chemotherapy. <i>Analytical Chemistry</i> , 2019 , 91, 2425-2430	7.8	68
691	Artificial Sandwich Base for Monitoring Single-Nucleobase Changes and Charge-Transfer Rates in DNA. <i>Analytical Chemistry</i> , 2019 , 91, 2074-2078	7.8	4

690	Nanotechnology in Plants. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2018 , 164, 263-275	1.7	10
689	Isotopic graphene-isolated-Au-nanocrystals with cellular Raman-silent signals for cancer cell pattern recognition. <i>Chemical Science</i> , 2018 , 9, 2842-2849	9.4	36
688	Nongenetic Approach for Imaging Protein Dimerization by Aptamer Recognition and Proximity-Induced DNA Assembly. <i>Journal of the American Chemical Society</i> , 2018 , 140, 4186-4190	16.4	81
687	Aligner-mediated cleavage of nucleic acids and its application to isothermal exponential amplification. <i>Chemical Science</i> , 2018 , 9, 3050-3055	9.4	16
686	Construction of self-powered cytosensing device based on ZnO nanodisks@g-CN quantum dots and application in the detection of CCRF-CEM cells. <i>Nano Energy</i> , 2018 , 46, 101-109	17.1	63
685	Deubiquitylation and stabilization of p21 by USP11 is critical for cell-cycle progression and DNA damage responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 4678-4683	11.5	71
684	An MTH1-targeted nanosystem for enhanced PDT via improving cellular sensitivity to reactive oxygen species. <i>Chemical Communications</i> , 2018 , 54, 4310-4313	5.8	18
683	Engineering a customized nanodrug delivery system at the cellular level for targeted cancer therapy. <i>Science China Chemistry</i> , 2018 , 61, 497-504	7.9	15
682	Enhanced Targeted Gene Transduction: AAV2 Vectors Conjugated to Multiple Aptamers via Reducible Disulfide Linkages. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2-5	16.4	30
681	Cell imaging of dopamine receptor using agonist labeling iridium(iii) complex. <i>Chemical Science</i> , 2018 , 9, 1119-1125	9.4	93
680	Aptamer-based multifunctional ligand-modified UCNP for targeted PDT and bioimaging. <i>Nanoscale</i> , 2018 , 10, 10986-10990	7.7	29
679	An effective thermal therapy against cancer using an E-jet 3D-printing method to prepare implantable magnetocaloric mats. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018 , 106, 1827-1841	3.5	10
678	Floxuridine Homomeric Oligonucleotides Hitchhike with Albumin In Situ for Cancer Chemotherapy. <i>Angewandte Chemie</i> , 2018 , 130, 9132-9135	3.6	4
677	ZrMOF nanoparticles as quenchers to conjugate DNA aptamers for target-induced bioimaging and photodynamic therapy. <i>Chemical Science</i> , 2018 , 9, 7505-7509	9.4	75
676	Comprehensive Regression Model for Dissociation Equilibria of Cell-Specific Aptamers. <i>Analytical Chemistry</i> , 2018 , 90, 10487-10493	7.8	2
675	Cross-Linked Aptamer-Lipid Micelles for Excellent Stability and Specificity in Target-Cell Recognition. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11589-11593	16.4	24
674	Bioapplications of Cell-SELEX-Generated Aptamers in Cancer Diagnostics, Therapeutics, Theranostics and Biomarker Discovery: A Comprehensive Review. <i>Cancers</i> , 2018 , 10,	6.6	65
673	Engineering a 3D DNA-Logic Gate Nanomachine for Bispecific Recognition and Computing on Target Cell Surfaces. <i>Journal of the American Chemical Society</i> , 2018 , 140, 9793-9796	16.4	145

672	Magnetism-Resolved Separation and Fluorescence Quantification for Near-Simultaneous Detection of Multiple Pathogens. <i>Analytical Chemistry</i> , 2018 , 90, 9621-9628	7.8	38
671	Constructing Smart Protocells with Built-In DNA Computational Core to Eliminate Exogenous Challenge. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6912-6920	16.4	31
670	Recent progresses in small-molecule enzymatic fluorescent probes for cancer imaging. <i>Chemical Society Reviews</i> , 2018 , 47, 7140-7180	58.5	462
669	Molecular Recognition and In-Vitro-Targeted Inhibition of Renal Cell Carcinoma Using a DNA Aptamer. <i>Molecular Therapy - Nucleic Acids</i> , 2018 , 12, 758-768	10.7	19
668	Cross-Linked Aptamer-Lipid Micelles for Excellent Stability and Specificity in Target-Cell Recognition. <i>Angewandte Chemie</i> , 2018 , 130, 11763-11767	3.6	6
667	A basic insight into aptamer-drug conjugates (ApDCs). <i>Biomaterials</i> , 2018 , 182, 216-226	15.6	40
666	Performance of marrow stromal cell-seeded small-caliber multilayered vascular graft in a senescent sheep model. <i>Biomedical Materials (Bristol)</i> , 2018 , 13, 055004	3.5	7
665	Floxuridine Homomeric Oligonucleotides "Hitchhike" with Albumin In Situ for Cancer Chemotherapy. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8994-8997	16.4	36
664	Aptamer-Conjugated Nanomaterials for Specific Cancer Diagnosis and Targeted Therapy. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2018 , 34, 348-360	3.8	2
663	Construction of a fluorine substituted chromenylum-cyanine near-infrared fluorophore for ratiometric sensing. <i>Sensors and Actuators B: Chemical</i> , 2018 , 259, 219-225	8.5	19
662	mRNA-Initiated, Three-Dimensional DNA Amplifier Able to Function inside Living Cells. <i>Journal of the American Chemical Society</i> , 2018 , 140, 258-263	16.4	150
661	Simultaneous Application of Photothermal Therapy and an Anti-inflammatory Prodrug using Pyrene-Aspirin-Loaded Gold Nanorod Graphitic Nanocapsules. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 177-181	16.4	130
660	Simultaneous Application of Photothermal Therapy and an Anti-inflammatory Prodrug using Pyrene-Aspirin-Loaded Gold Nanorod Graphitic Nanocapsules. <i>Angewandte Chemie</i> , 2018 , 130, 183-187	3.6	21
659	Chelation-assisted assembly of multidentate colloidal nanoparticles into metal-organic nanoparticles. <i>Nanoscale</i> , 2018 , 10, 21369-21373	7.7	2
658	Precise nanomedicine for intelligent therapy of cancer. <i>Science China Chemistry</i> , 2018 , 61, 1503-1552	7.9	256
657	Identification and Characterization of DNA Aptamers Specific for Phosphorylation Epitopes of Tau Protein. <i>Journal of the American Chemical Society</i> , 2018 , 140, 14314-14323	16.4	30
656	"Trojan Horse" DNA Nanostructure for Personalized Theranostics: Can It Knock on the Door of Preclinical Practice?. <i>Langmuir</i> , 2018 , 34, 15028-15044	4	8
655	G-Quadruplex-Based Nanoscale Coordination Polymers to Modulate Tumor Hypoxia and Achieve Nuclear-Targeted Drug Delivery for Enhanced Photodynamic Therapy. <i>Nano Letters</i> , 2018 , 18, 6867-6875	11.5	126

654	Coupling Between Interleukin-1R1 and Necrosome Complex Involves in Hemin-Induced Neuronal Necroptosis After Intracranial Hemorrhage. <i>Stroke</i> , 2018 , 49, 2473-2482	6.7	17
653	Self-Assembled Aptamer-Grafted Hyperbranched Polymer Nanocarrier for Targeted and Photoresponsive Drug Delivery. <i>Angewandte Chemie</i> , 2018 , 130, 17294-17298	3.6	23
652	Self-Assembled Aptamer-Grafted Hyperbranched Polymer Nanocarrier for Targeted and Photoresponsive Drug Delivery. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 17048-17052	16.4	92
651	Core-shell HA-AuNPs@SiNPs Nanoprobe for Sensitive Fluorescence Hyaluronidase Detection and Cell Imaging. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 16555-16562	8.3	22
650	Portable and Label-Free Detection of Blood Bilirubin with Graphene-Isolated-Au-Nanocrystals Paper Strip. <i>Analytical Chemistry</i> , 2018 , 90, 13687-13694	7.8	37
649	Surfactant-Free Interface Suspended Gold Graphitic Surface-Enhanced Raman Spectroscopy Substrate for Simultaneous Multiphase Analysis. <i>Analytical Chemistry</i> , 2018 , 90, 11183-11187	7.8	20
648	Oxysophocarpine Retards the Growth and Metastasis of Oral Squamous Cell Carcinoma by Targeting the Nrf2/HO-1 Axis. <i>Cellular Physiology and Biochemistry</i> , 2018 , 49, 1717-1733	3.9	16
647	Modulating Aptamer Specificity with pH-Responsive DNA Bonds. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13335-13339	16.4	63
646	Free-Floating 2D Nanosheets with a Superlattice Assembled from FeO Nanoparticles for Peroxidase-Mimicking Activity. <i>ACS Applied Nano Materials</i> , 2018 , 1, 5389-5395	5.6	7
645	Liquid-state quantitative SERS analyzer on self-ordered metal liquid-like plasmonic arrays. <i>Nature Communications</i> , 2018 , 9, 3642	17.4	78
644	In Vitro Study of Colon Cancer Cell Migration Using E-Jet 3D Printed Cell Culture Platforms. <i>Macromolecular Bioscience</i> , 2018 , 18, e1800205	5.5	6
643	Fluorinated DNA Micelles: Synthesis and Properties. <i>Analytical Chemistry</i> , 2018 , 90, 6843-6850	7.8	16
642	Supramolecularly Engineered Circular Bivalent Aptamer for Enhanced Functional Protein Delivery. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6780-6784	16.4	64
641	Versatile synthesis of MnO nanolayers on upconversion nanoparticles and their application in inactivatable fluorescence and MRI imaging. <i>Chemical Science</i> , 2018 , 9, 5427-5434	9.4	43
640	Generating lung-metastatic osteosarcoma targeting aptamers for in vivo and clinical tissue imaging. <i>Talanta</i> , 2018 , 188, 66-73	6.2	13
639	DNA-Based Dynamic Reaction Networks. <i>Trends in Biochemical Sciences</i> , 2018 , 43, 547-560	10.3	55
638	Nucleic acid-functionalized transition metal nanosheets for biosensing applications. <i>Biosensors and Bioelectronics</i> , 2017 , 89, 201-211	11.8	50
637	Luminescent iridium(III) complexes as COX-2-specific imaging agents in cancer cells. <i>Chemical Communications</i> , 2017 , 53, 2822-2825	5.8	46

636	Molecular Elucidation of Disease Biomarkers at the Interface of Chemistry and Biology. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2532-2540	16.4	89
635	Aptamer-functionalized nano/micro-materials for clinical diagnosis: isolation, release and bioanalysis of circulating tumor cells. <i>Integrative Biology (United Kingdom)</i> , 2017 , 9, 188-205	3.7	56
634	A Smart, Photocontrollable Drug Release Nanosystem for Multifunctional Synergistic Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 5847-5854	9.5	49
633	First Synthesis of an Oridonin-Conjugated Iridium(III) Complex for the Intracellular Tracking of NF- κ B in Living Cells. <i>Chemistry - A European Journal</i> , 2017 , 23, 4929-4935	4.8	24
632	Near Infrared Graphene Quantum Dots-Based Two-Photon Nanoprobe for Direct Bioimaging of Endogenous Ascorbic Acid in Living Cells. <i>Analytical Chemistry</i> , 2017 , 89, 4077-4084	7.8	126
631	Tetraphenylethene derivative modified DNA oligonucleotide for in situ potassium ion detection and imaging in living cells. <i>Talanta</i> , 2017 , 167, 550-556	6.2	20
630	A two-photon fluorescent probe for endogenous superoxide anion radical detection and imaging in living cells and tissues. <i>Sensors and Actuators B: Chemical</i> , 2017 , 250, 259-266	8.5	40
629	Semipermeable Functional DNA-Encapsulated Nanocapsules as Protective Bioreactors for Biosensing in Living Cells. <i>Analytical Chemistry</i> , 2017 , 89, 5389-5394	7.8	16
628	WDR79 promotes the proliferation of non-small cell lung cancer cells via USP7-mediated regulation of the Mdm2-p53 pathway. <i>Cell Death and Disease</i> , 2017 , 8, e2743	9.8	16
627	Control of cell proliferation in E-jet 3D-printed scaffolds for tissue engineering applications: the influence of the cell alignment angle. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 3728-3738	7.3	26
626	In vivo imaging of alkaline phosphatase in tumor-bearing mouse model by a promising near-infrared fluorescent probe. <i>Talanta</i> , 2017 , 175, 421-426	6.2	41
625	Visualization of Endoplasmic Reticulum Aminopeptidase 1 under Different Redox Conditions with a Two-Photon Fluorescent Probe. <i>Analytical Chemistry</i> , 2017 , 89, 7641-7648	7.8	70
624	In situ targeted MRI detection of Helicobacter pylori with stable magnetic graphitic nanocapsules. <i>Nature Communications</i> , 2017 , 8, 15653	17.4	27
623	Circular Bivalent Aptamers Enable in Vivo Stability and Recognition. <i>Journal of the American Chemical Society</i> , 2017 , 139, 9128-9131	16.4	108
622	Thiol-ene click chemistry: a biocompatible way for orthogonal bioconjugation of colloidal nanoparticles. <i>Chemical Science</i> , 2017 , 8, 6182-6187	9.4	71
621	Graphitic nanocapsules: design, synthesis and bioanalytical applications. <i>Nanoscale</i> , 2017 , 9, 10529-10543	3.7	8
620	Artificial Base zT as Functional "Element" for Constructing Photoresponsive DNA Nanomolecules. <i>Journal of the American Chemical Society</i> , 2017 , 139, 9104-9107	16.4	36
619	Multifunctional Molecular Beacon Micelles for Intracellular mRNA Imaging and Synergistic Therapy in Multidrug-Resistant Cancer Cells. <i>Advanced Functional Materials</i> , 2017 , 27, 1701027	15.6	34

618	Fluorescence Resonance Energy Transfer-Based DNA Tetrahedron Nanotweezer for Highly Reliable Detection of Tumor-Related mRNA in Living Cells. <i>ACS Nano</i> , 2017 , 11, 4060-4066	16.7	175
617	Molecular Recognition-Based DNA Nanoassemblies on the Surfaces of Nanosized Exosomes. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5289-5292	16.4	134
616	Suppression of FOXM1 Transcriptional Activities via a Single-Stranded DNA Aptamer Generated by SELEX. <i>Scientific Reports</i> , 2017 , 7, 45377	4.9	27
615	Aptasensor with Expanded Nucleotide Using DNA Nanotetrahedra for Electrochemical Detection of Cancerous Exosomes. <i>ACS Nano</i> , 2017 , 11, 3943-3949	16.7	264
614	DNA probes for monitoring dynamic and transient molecular encounters on live cell membranes. <i>Nature Nanotechnology</i> , 2017 , 12, 453-459	28.7	159
613	Supramolecular assembly affording a ratiometric two-photon fluorescent nanoprobe for quantitative detection and bioimaging. <i>Chemical Science</i> , 2017 , 8, 8214-8220	9.4	36
612	Recognition-then-Reaction Enables Site-Selective Bioconjugation to Proteins on Live-Cell Surfaces. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 11954-11957	16.4	27
611	Recognition-then-Reaction Enables Site-Selective Bioconjugation to Proteins on Live-Cell Surfaces. <i>Angewandte Chemie</i> , 2017 , 129, 12116-12119	3.6	13
610	Facile Assembly/Disassembly of DNA Nanostructures Anchored on Cell-Mimicking Giant Vesicles. <i>Journal of the American Chemical Society</i> , 2017 , 139, 12410-12413	16.4	59
609	Aptamer/AuNP Biosensor for Colorimetric Profiling of Exosomal Proteins. <i>Angewandte Chemie</i> , 2017 , 129, 12078-12082	3.6	29
608	Aptamer/AuNP Biosensor for Colorimetric Profiling of Exosomal Proteins. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 11916-11920	16.4	281
607	Fluorinated molecular beacons as functional DNA nanomolecules for cellular imaging. <i>Chemical Science</i> , 2017 , 8, 7082-7086	9.4	18
606	An Insight into the Selective Conversion of Bamboo Biomass to Ethyl Glycosides. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 5880-5886	8.3	14
605	A mitochondrial-targeted prodrug for NIR imaging guided and synergetic NIR photodynamic-chemo cancer therapy. <i>Chemical Science</i> , 2017 , 8, 7689-7695	9.4	114
604	Control of cell growth on 3D-printed cell culture platforms for tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 3281-3292	5.4	17
603	Smart Human-Serum-Albumin-As O Nanodrug with Self-Amplified Folate Receptor-Targeting Ability for Chronic Myeloid Leukemia Treatment. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10845-10849	16.4	45
602	Genetically Encoded Fluorescent RNA Sensor for Ratiometric Imaging of MicroRNA in Living Tumor Cells. <i>Journal of the American Chemical Society</i> , 2017 , 139, 9779-9782	16.4	130
601	Smart Human-Serum-Albumin-As 2O3 Nanodrug with Self-Amplified Folate Receptor-Targeting Ability for Chronic Myeloid Leukemia Treatment. <i>Angewandte Chemie</i> , 2017 , 129, 10985-10989	3.6	4

600	In Situ Localization of Enzyme Activity in Live Cells by a Molecular Probe Releasing a Precipitating Fluorochrome. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 11788-11792	16.4	125
599	In Situ Localization of Enzyme Activity in Live Cells by a Molecular Probe Releasing a Precipitating Fluorochrome. <i>Angewandte Chemie</i> , 2017 , 129, 11950-11954	3.6	39
598	Selection and characterization of DNA aptamer against glucagon receptor by cell-SELEX. <i>Scientific Reports</i> , 2017 , 7, 7179	4.9	23
597	Nanocarrier based on the assembly of protein and antisense oligonucleotide to combat multidrug resistance in tumor cells. <i>Science China Chemistry</i> , 2017 , 60, 1318-1323	7.9	13
596	Dicyanomethylene Substituted Benzothiazole Squaraines: The Efficiency of Photodynamic Therapy In Vitro and In Vivo. <i>EBioMedicine</i> , 2017 , 23, 25-33	8.8	19
595	Autofluorescence-Free Targeted Tumor Imaging Based on Luminous Nanoparticles with Composition-Dependent Size and Persistent Luminescence. <i>ACS Nano</i> , 2017 , 11, 8010-8017	16.7	110
594	Engineering Stability-Tunable DNA Micelles Using Photocontrollable Dissociation of an Intermolecular G-Quadruplex. <i>ACS Nano</i> , 2017 , 11, 12087-12093	16.7	35
593	Time-Gated Imaging of Latent Fingerprints and Specific Visualization of Protein Secretions via Molecular Recognition. <i>Analytical Chemistry</i> , 2017 , 89, 12764-12770	7.8	71
592	Selective Imaging and Inactivation of Bacteria over Mammalian Cells by Imidazolium-Substituted Polythiophene. <i>Chemistry of Materials</i> , 2017 , 29, 6389-6395	9.6	64
591	One-Dimensional Luminous Nanorods Featuring Tunable Persistent Luminescence for Autofluorescence-Free Biosensing. <i>ACS Nano</i> , 2017 , 11, 8185-8191	16.7	97
590	Advances in the development of aptamer drug conjugates for targeted drug delivery. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2017 , 9, e1438	9.2	46
589	Naked eye detection of multiple tumor-related mRNAs from patients with photonic-crystal micropattern supported dual-modal upconversion bioprobes. <i>Chemical Science</i> , 2017 , 8, 466-472	9.4	58
588	Aptamer-assembled nanomaterials for fluorescent sensing and imaging. <i>Nanophotonics</i> , 2017 , 6, 109-126	6.3	33
587	Reversible and Quantitative Photoregulation of Target Proteins. <i>Chem</i> , 2017 , 3, 1021-1035	16.2	8
586	Quinacridone derivative as a new photosensitizer: Photodynamic effects in cells and in vivo. <i>Dyes and Pigments</i> , 2017 , 145, 168-173	4.6	6
585	Aptamer-mediated selective delivery of a cytotoxic cationic NHC-Au(i) complex to cancer cells. <i>Dalton Transactions</i> , 2017 , 47, 120-126	4.3	17
584	A label-free DNAzyme fluorescence biosensor for amplified detection of Pb(2+)-based on cleavage-induced G-quadruplex formation. <i>Talanta</i> , 2016 , 147, 302-6	6.2	42
583	Erythrocyte membrane based cationic polymer-mcDNA complexes as an efficient gene delivery system. <i>Biomaterials Science</i> , 2016 , 5, 120-127	7.4	8

582	A two-photon fluorescent turn-on probe for imaging of SO ₂ derivatives in living cells and tissues. <i>Analytica Chimica Acta</i> , 2016 , 937, 136-42	6.6	39
581	Direct Fluorescent Detection of Blood Potassium by Ion-Selective Formation of Intermolecular G-Quadruplex and Ligand Binding. <i>Analytical Chemistry</i> , 2016 , 88, 9285-92	7.8	54
580	A Cyanine Dye to Probe Mitophagy: Simultaneous Detection of Mitochondria and Autolysosomes in Live Cells. <i>Journal of the American Chemical Society</i> , 2016 , 138, 12368-74	16.4	149
579	An efficient two-photon fluorescent probe for monitoring mitochondrial singlet oxygen in tissues during photodynamic therapy. <i>Chemical Communications</i> , 2016 , 52, 12330-12333	5.8	55
578	Aptamers against Cells Overexpressing Glypican 3 from Expanded Genetic Systems Combined with Cell Engineering and Laboratory Evolution. <i>Angewandte Chemie</i> , 2016 , 128, 12560-12563	3.6	8
577	Ratiometric Two-Photon Fluorescent Probe for in Vivo Hydrogen Polysulfides Detection and Imaging during Lipopolysaccharide-Induced Acute Organs Injury. <i>Analytical Chemistry</i> , 2016 , 88, 11892-11899	7.8	75
576	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. <i>Journal of Biomedical Nanotechnology</i> , 2016 , 12, 2151-60	4	7
575	Osteoclast-derived exosomal miR-214-3p inhibits osteoblastic bone formation. <i>Nature Communications</i> , 2016 , 7, 10872	17.4	286
574	Reaktitelbild: A Smart PhotosensitizerManganese Dioxide Nanosystem for Enhanced Photodynamic Therapy by Reducing Glutathione Levels in Cancer Cells (Angew. Chem. 18/2016). <i>Angewandte Chemie</i> , 2016 , 128, 5702-5702	3.6	2
573	Self-assembled dual-modality contrast agents for non-invasive stem cell tracking via near-infrared fluorescence and magnetic resonance imaging. <i>Journal of Colloid and Interface Science</i> , 2016 , 478, 217-28	8.3	12
572	A novel SERS nanoprobe for the ratiometric imaging of hydrogen peroxide in living cells. <i>Chemical Communications</i> , 2016 , 52, 8553-6	5.8	71
571	Synthesis of Amphiphilic Poly(β-amino ester) for Efficiently Minicircle DNA Delivery in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 19284-90	9.5	19
570	Fabrication of Ultrathin Zn(OH) Nanosheets as Drug Carriers. <i>Nano Research</i> , 2016 , 9, 2520-2530	10	9
569	Three Dimensional Multipod Superstructure based on Cu(OH) as a Highly Efficient Nanozyme. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 4657-4661	7.3	22
568	A Smart PhotosensitizerManganese Dioxide Nanosystem for Enhanced Photodynamic Therapy by Reducing Glutathione Levels in Cancer Cells. <i>Angewandte Chemie</i> , 2016 , 128, 5567-5572	3.6	70
567	Intercellular Connections Related to Cell-Cell Crosstalk Specifically Recognized by an Aptamer. <i>Angewandte Chemie</i> , 2016 , 128, 3982-3986	3.6	2
566	Functional nucleic acid-based hydrogels for bioanalytical and biomedical applications. <i>Chemical Society Reviews</i> , 2016 , 45, 1410-31	58.5	328
565	ICG-conjugated Magnetic Graphene Oxide for Dual Photothermal and Photodynamic Therapy. <i>RSC Advances</i> , 2016 , 6, 30285-30292	3.7	46

564	Versatile surface engineering of porous nanomaterials with bioinspired polyphenol coatings for targeted and controlled drug delivery. <i>Nanoscale</i> , 2016 , 8, 8600-6	7.7	66
563	Stable and unique graphitic Raman internal standard nanocapsules for surface-enhanced Raman spectroscopy quantitative analysis. <i>Nano Research</i> , 2016 , 9, 1418-1425	10	38
562	A membrane-anchored fluorescent probe for detecting K(+) in the cell microenvironment. <i>Chemical Communications</i> , 2016 , 52, 4679-82	5.8	25
561	Simultaneous tracking of drug molecules and carriers using aptamer-functionalized fluorescent superstable gold nanorod-carbon nanocapsules during thermo-chemotherapy. <i>Nanoscale</i> , 2016 , 8, 7942-8	7.7	28
560	A unique approach toward near-infrared fluorescent probes for bioimaging with remarkably enhanced contrast. <i>Chemical Science</i> , 2016 , 7, 2275-2285	9.4	106
559	Biostable L-DNAzyme for Sensing of Metal Ions in Biological Systems. <i>Analytical Chemistry</i> , 2016 , 88, 1850-5	7.8	57
558	Quench-Shield Ratiometric Upconversion Luminescence Nanoplatfom for Biosensing. <i>Analytical Chemistry</i> , 2016 , 88, 1639-46	7.8	52
557	Using modified aptamers for site specific protein-aptamer conjugations. <i>Chemical Science</i> , 2016 , 7, 2157-2161	9.4	41
556	Catalytic self-assembly of a DNA dendritic complex for efficient gene silencing. <i>Chemical Communications</i> , 2016 , 52, 1413-5	5.8	20
555	Aptamers: versatile molecular recognition probes for cancer detection. <i>Analyst, The</i> , 2016 , 141, 403-15	5	71
554	Cancer biomarker discovery using DNA aptamers. <i>Analyst, The</i> , 2016 , 141, 461-6	5	35
553	Synthesis and characterization of low molecular weight polyethyleneimine-terminated Poly(β-amino ester) for highly efficient gene delivery of minicircle DNA. <i>Journal of Colloid and Interface Science</i> , 2016 , 463, 93-8	9.3	25
552	A FRET-based ratiometric two-photon fluorescent probe for dual-channel imaging of nitroxyl in living cells and tissues. <i>Chemical Communications</i> , 2016 , 52, 733-6	5.8	61
551	Selection and characterization of DNA aptamer for metastatic prostate cancer recognition and tissue imaging. <i>Oncotarget</i> , 2016 , 7, 36436-36446	3.3	35
550	Generating Cell Targeting Aptamers for Nanotheranostics Using Cell-SELEX. <i>Theranostics</i> , 2016 , 6, 1440-52.1	5.1	57
549	Direct Liquefaction of Bamboo in Ethanol-Phenol Co- Solvent. <i>BioResources</i> , 2016 , 11,	1.3	1
548	Association between TLR4 and PTEN Involved in LPS-TLR4 Signaling Response. <i>BioMed Research International</i> , 2016 , 2016, 6083178	3	6
547	CD109 is identified as a potential nasopharyngeal carcinoma biomarker using aptamer selected by cell-SELEX. <i>Oncotarget</i> , 2016 , 7, 55328-55342	3.3	41

546	N-Heterocyclic Carbene-Gold(I) Complexes Conjugated to a Leukemia-Specific DNA Aptamer for Targeted Drug Delivery. <i>Angewandte Chemie</i> , 2016 , 128, 9035-9039	3.6	12
545	Intercellular Connections Related to Cell-Cell Crosstalk Specifically Recognized by an Aptamer. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3914-8	16.4	31
544	N-Heterocyclic Carbene-Gold(I) Complexes Conjugated to a Leukemia-Specific DNA Aptamer for Targeted Drug Delivery. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8889-93	16.4	70
543	A Facile Process for the Preparation of Three-Dimensional Hollow Zn(OH) ₂ Nanoflowers at Room Temperature. <i>Chemistry - A European Journal</i> , 2016 , 22, 11143-7	4.8	3
542	A Smart Photosensitizer-Manganese Dioxide Nanosystem for Enhanced Photodynamic Therapy by Reducing Glutathione Levels in Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5477-82	16.4	368
541	Screening and identification of DNA aptamers toward <i>Schistosoma japonicum</i> eggs via SELEX. <i>Scientific Reports</i> , 2016 , 6, 24986	4.9	17
540	The relationship between toll like receptor 4 gene rs4986790 and rs4986791 polymorphisms and sepsis susceptibility: A meta-analysis. <i>Scientific Reports</i> , 2016 , 6, 38947	4.9	8
539	DNA micelle flares: a study of the basic properties that contribute to enhanced stability and binding affinity in complex biological systems. <i>Chemical Science</i> , 2016 , 7, 6041-6049	9.4	30
538	A two-photon fluorescent probe for bio-imaging of formaldehyde in living cells and tissues. <i>Analyst, The</i> , 2016 , 141, 3395-402	5	52
537	Elucidating the cellular uptake mechanism of aptamer-functionalized graphene-isolated-Au-nanocrystals with dual-modal imaging. <i>Analyst, The</i> , 2016 , 141, 3337-42	5	12
536	Modulating the Morphology of Gold Graphitic Nanocapsules for Plasmon Resonance-Enhanced Multimodal Imaging. <i>Analytical Chemistry</i> , 2016 , 88, 5385-91	7.8	23
535	ε-Caprolactone-Modified Polyethylenimine as Efficient Nanocarriers for siRNA Delivery in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 29261-29269	9.5	9
534	Aptamers against Cells Overexpressing Glypican 3 from Expanded Genetic Systems Combined with Cell Engineering and Laboratory Evolution. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12372-5	16.4	60
533	Stable Graphene-Isolated-Au-Nanocrystal for Accurate and Rapid Surface Enhancement Raman Scattering Analysis. <i>Analytical Chemistry</i> , 2016 , 88, 10611-10616	7.8	39
532	A red emitting two-photon fluorescent probe for dynamic imaging of redox balance mediated by a superoxide anion and GSH in living cells and tissues. <i>Analyst, The</i> , 2016 , 141, 5893-5899	5	25
531	Overexpression of WDR79 in non-small cell lung cancer is linked to tumour progression. <i>Journal of Cellular and Molecular Medicine</i> , 2016 , 20, 698-709	5.6	12
530	Silver nanoparticle gated, mesoporous silica coated gold nanorods (AuNR@MS@AgNPs): low premature release and multifunctional cancer theranostic platform. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 6211-9	9.5	80
529	A Smart DNAzyme-MnO ₂ Nanosystem for Efficient Gene Silencing. <i>Angewandte Chemie</i> , 2015 , 127, 4883-4887	3.6	77

528	Ag nanocluster-based label-free catalytic and molecular beacons for amplified biosensing. <i>Chemical Communications</i> , 2015 , 51, 12095-8	5.8	37
527	Efficient two-photon fluorescent probe with red emission for imaging of thiophenols in living cells and tissues. <i>Analytical Chemistry</i> , 2015 , 87, 8896-903	7.8	101
526	Impaired wound healing results from the dysfunction of the Akt/mTOR pathway in diabetic rats. <i>Journal of Dermatological Science</i> , 2015 , 79, 241-51	4.3	28
525	DLISA: A DNAzyme-Based ELISA for Protein Enzyme-Free Immunoassay of Multiple Analytes. <i>Analytical Chemistry</i> , 2015 , 87, 7746-53	7.8	43
524	Fabrication of superstable gold nanorod-carbon nanocapsule as a molecule loading material. <i>Science Bulletin</i> , 2015 , 60, 1101-1107	10.6	15
523	Evolution of functional six-nucleotide DNA. <i>Journal of the American Chemical Society</i> , 2015 , 137, 6734-7	16.4	143
522	Rationally designed molecular beacons for bioanalytical and biomedical applications. <i>Chemical Society Reviews</i> , 2015 , 44, 3036-55	58.5	262
521	Localizable and photoactivatable fluorophore for spatiotemporal two-photon bioimaging. <i>Analytical Chemistry</i> , 2015 , 87, 5626-31	7.8	47
520	BSA modification to reduce CTAB induced nonspecificity and cytotoxicity of aptamer-conjugated gold nanorods. <i>Nanoscale</i> , 2015 , 7, 10240-8	7.7	61
519	Cell-SELEX-based aptamer-conjugated nanomaterials for cancer diagnosis and therapy. <i>National Science Review</i> , 2015 , 2, 71-84	10.8	42
518	Multiple functional nanoprobe for contrast-enhanced bimodal cellular imaging and targeted therapy. <i>Analytical Chemistry</i> , 2015 , 87, 4448-54	7.8	63
517	Through-bond energy transfer-based ratiometric two-photon probe for fluorescent imaging of Pd(2+) ions in living cells and tissues. <i>Analytical Chemistry</i> , 2015 , 87, 4503-7	7.8	74
516	A Nonenzymatic Hairpin DNA Cascade Reaction Provides High Signal Gain of mRNA Imaging inside Live Cells. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4900-3	16.4	234
515	DNA-templated in situ growth of silver nanoparticles on mesoporous silica nanospheres for smart intracellular GSH-controlled release. <i>Chemical Communications</i> , 2015 , 51, 6544-7	5.8	23
514	Study of the Function of G-Rich Aptamers Selected for Lung Adenocarcinoma. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 1519-25	4.5	12
513	A novel AgNP/DNA/TPdye conjugate-based two-photon nanoprobe for GSH imaging in cell apoptosis of cancer tissue. <i>Chemical Communications</i> , 2015 , 51, 16810-2	5.8	26
512	Self-assembled Multifunctional DNA Nanoflowers for the Circumvention of Multidrug Resistance in Targeted Anticancer Drug Delivery. <i>Nano Research</i> , 2015 , 8, 3447-3460	10	68
511	Entropy Beacon: A Hairpin-Free DNA Amplification Strategy for Efficient Detection of Nucleic Acids. <i>Analytical Chemistry</i> , 2015 , 87, 11714-20	7.8	81

510	Efficient Two-Photon Fluorescent Probe for Nitroreductase Detection and Hypoxia Imaging in Tumor Cells and Tissues. <i>Analytical Chemistry</i> , 2015 , 87, 11832-9	7.8	108
509	Self-Assembled DNA Immunonanoflowers as Multivalent CpG Nanoagents. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 24069-74	9.5	74
508	Single Nanoparticle to 3D Supercage: Framing for an Artificial Enzyme System. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13957-63	16.4	92
507	Facile Phase Transfer and Surface Biofunctionalization of Hydrophobic Nanoparticles Using Janus DNA Tetrahedron Nanostructures. <i>Journal of the American Chemical Society</i> , 2015 , 137, 11210-3	16.4	71
506	Direct Visualization of Walking Motions of Photocontrolled Nanomachine on the DNA Nanostructure. <i>Nano Letters</i> , 2015 , 15, 6672-6	11.5	91
505	A cascade reaction network mimicking the basic functional steps of adaptive immune response. <i>Nature Chemistry</i> , 2015 , 7, 835-41	17.6	66
504	Preparation and biomedical applications of programmable and multifunctional DNA nanoflowers. <i>Nature Protocols</i> , 2015 , 10, 1508-24	18.8	101
503	Epsilon-caprolactone modified polyethylenimine for highly efficient antigen delivery and chemical exchange saturation transfer functional MR imaging. <i>Biomaterials</i> , 2015 , 56, 219-28	15.6	9
502	A cell-targeted, size-photocontrollable, nuclear-uptake nanodrug delivery system for drug-resistant cancer therapy. <i>Nano Letters</i> , 2015 , 15, 457-63	11.5	184
501	N-heterocyclic carbene gold(I) and silver(I) complexes bearing functional groups for bio-conjugation. <i>Dalton Transactions</i> , 2015 , 44, 1914-23	4.3	36
500	Programmable and multiparameter DNA-based logic platform for cancer recognition and targeted therapy. <i>Journal of the American Chemical Society</i> , 2015 , 137, 667-74	16.4	186
499	Aptamer CaCO ₃ nanostructures: a facile, pH-responsive, specific platform for targeted anticancer theranostics. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 166-71	4.5	37
498	Nucleic acid aptamer-mediated drug delivery for targeted cancer therapy. <i>ChemMedChem</i> , 2015 , 10, 39-45	3.7	59
497	A label-free aptasensor for highly sensitive detection of ATP and thrombin based on metal-enhanced PicoGreen fluorescence. <i>Biosensors and Bioelectronics</i> , 2015 , 63, 172-177	11.8	96
496	STIP overexpression confers oncogenic potential to human non-small cell lung cancer cells by regulating cell cycle and apoptosis. <i>Journal of Cellular and Molecular Medicine</i> , 2015 , 19, 2806-17	5.6	6
495	Development of a panel of DNA Aptamers with High Affinity for Pancreatic Ductal Adenocarcinoma. <i>Scientific Reports</i> , 2015 , 5, 16788	4.9	18
494	DNA Aptamer Based Nanodrugs: Molecular Engineering for Efficiency. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 2084-94	4.5	31
493	Progress and Challenges in Developing Aptamer-Functionalized Targeted Drug Delivery Systems. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 23784-822	6.3	62

492	A Synthetic Aptamer-Drug Adduct for Targeted Liver Cancer Therapy. <i>PLoS ONE</i> , 2015 , 10, e0136673	3.7	49
491	Evaluation of Chitosan/Aptamer Targeting TGF- β Receptor II Thermo-Sensitive Gel for Scarring in Rat Glaucoma Filtration Surgery 2015 , 56, 5465-76		20
490	DNA Aptamer Selected against Pancreatic Ductal Adenocarcinoma for in vivo Imaging and Clinical Tissue Recognition. <i>Theranostics</i> , 2015 , 5, 985-94	12.1	84
489	Stable DNA Nanomachine Based on Duplex-Triplex Transition for Ratiometric Imaging Instantaneous pH Changes in Living Cells. <i>Analytical Chemistry</i> , 2015 , 87, 5854-9	7.8	45
488	Nuclease-resistant synthetic drug-DNA adducts: programmable drug-DNA conjugation for targeted anticancer drug delivery. <i>NPG Asia Materials</i> , 2015 , 7, e169-e169	10.3	32
487	Enzymatic cleavage and mass amplification strategy for small molecule detection using aptamer-based fluorescence polarization biosensor. <i>Analytica Chimica Acta</i> , 2015 , 879, 91-6	6.6	24
486	A smart DNAzyme-MnO ₂ nanosystem for efficient gene silencing. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 4801-5	16.4	196
485	Fabrication of GO/magnetic graphitic nanocapsule/TiO ₂ assemblies as efficient and recyclable photocatalysts. <i>Science China Chemistry</i> , 2015 , 58, 1131-1136	7.9	5
484	A delivery system specifically approaching bone resorption surfaces to facilitate therapeutic modulation of microRNAs in osteoclasts. <i>Biomaterials</i> , 2015 , 52, 148-60	15.6	59
483	Ionic Functionalization of Hydrophobic Colloidal Nanoparticles To Form Ionic Nanoparticles with Enzymelike Properties. <i>Journal of the American Chemical Society</i> , 2015 , 137, 14952-8	16.4	105
482	Aptamers Selected by Cell-SELEX for Molecular Imaging. <i>Journal of Molecular Evolution</i> , 2015 , 81, 162-71	3.1	13
481	Aptamer-functionalized lipid nanoparticles targeting osteoblasts as a novel RNA interference-based bone anabolic strategy. <i>Nature Medicine</i> , 2015 , 21, 288-94	50.5	188
480	Using DNA aptamer probe for immunostaining of cancer frozen tissues. <i>Analytical Chemistry</i> , 2015 , 87, 1919-24	7.8	39
479	Self-assembly of DNA nanohydrogels with controllable size and stimuli-responsive property for targeted gene regulation therapy. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1412-5	16.4	304
478	A survey of advancements in nucleic acid-based logic gates and computing for applications in biotechnology and biomedicine. <i>Chemical Communications</i> , 2015 , 51, 3723-34	5.8	59
477	Molecular Recognition of Human Liver Cancer Cells Using DNA Aptamers Generated via Cell-SELEX. <i>PLoS ONE</i> , 2015 , 10, e0125863	3.7	25
476	STIP is a critical nuclear scaffolding protein linking USP7 to p53-Mdm2 pathway regulation. <i>Oncotarget</i> , 2015 , 6, 34718-31	3.3	9
475	Using aptamers to elucidate esophageal cancer clinical samples. <i>Scientific Reports</i> , 2015 , 5, 18516	4.9	12

474	Fabrication of graphene-isolated-Au-nanocrystal nanostructures for multimodal cell imaging and photothermal-enhanced chemotherapy. <i>Scientific Reports</i> , 2014 , 4, 6093	4.9	83
473	Self-assembled hybrid nanoparticles for targeted co-delivery of two drugs into cancer cells. <i>Chemical Communications</i> , 2014 , 50, 3103-5	5.8	64
472	Nucleic acid based logical systems. <i>Chemistry - A European Journal</i> , 2014 , 20, 5866-73	4.8	34
471	DNA nanoflowers for multiplexed cellular imaging and traceable targeted drug delivery. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5821-6	16.4	236
470	Post-genomics nanotechnology is gaining momentum: nanoproteomics and applications in life sciences. <i>OMICS A Journal of Integrative Biology</i> , 2014 , 18, 111-31	3.8	19
469	Reversible phase transfer of nanoparticles based on photoswitchable host-guest chemistry. <i>ACS Nano</i> , 2014 , 8, 2555-61	16.7	108
468	DNA Nanoflowers for Multiplexed Cellular Imaging and Traceable Targeted Drug Delivery. <i>Angewandte Chemie</i> , 2014 , 126, 5931-5936	3.6	75
467	A rhodamine-appended water-soluble conjugated polymer: an efficient ratiometric fluorescence sensing platform for intracellular metal-ion probing. <i>Chemical Communications</i> , 2014 , 50, 2040-2	5.8	43
466	An efficient ratiometric fluorescent excimer probe for hypochlorite based on a cofacial xanthene-bridged bispyrene. <i>Analytical Methods</i> , 2014 , 6, 609-614	3.2	25
465	A highly sensitive and reductant-resistant fluorescent probe for nitroxyl in aqueous solution and serum. <i>Chemical Communications</i> , 2014 , 50, 5790-2	5.8	65
464	Poly β -cyclodextrin inclusion-induced formation of two-photon fluorescent nanomicelles for biomedical imaging. <i>Chemical Communications</i> , 2014 , 50, 8398-401	5.8	31
463	Poly β -cyclodextrin/TPdye nanomicelle-based two-photon nanoprobe for caspase-3 activation imaging in live cells and tissues. <i>Analytical Chemistry</i> , 2014 , 86, 11440-50	7.8	37
462	Facile surface functionalization of hydrophobic magnetic nanoparticles. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12552-5	16.4	124
461	Competitive assembly to increase the performance of the DNA/carbon-nanomaterial-based sensing platform. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 13470-7	9.5	9
460	Magnetic-encoded fluorescent multifunctional nanospheres for simultaneous multicomponent analysis. <i>Analytical Chemistry</i> , 2014 , 86, 9434-42	7.8	48
459	Size-dependent MRI relaxivity and dual imaging with Eu _{0.2} Gd _{0.8} PO ₄ ·H ₂ O nanoparticles. <i>Langmuir</i> , 2014 , 30, 5873-9	4	27
458	Trifluoromethylated Nucleic Acid Analogues Capable of Self-Assembly through Hydrophobic Interactions. <i>Chemical Science</i> , 2014 , 5, 4076-4081	9.4	12
457	Activatable fluorescence/MRI bimodal platform for tumor cell imaging via MnO ₂ nanosheet-aptamer nanoprobe. <i>Journal of the American Chemical Society</i> , 2014 , 136, 11220-3	16.4	430

456	Intelligent layered nanoflare: "lab-on-a-nanoparticle" for multiple DNA logic gate operations and efficient intracellular delivery. <i>Nanoscale</i> , 2014 , 6, 8990-6	7.7	22
455	Rhodamine-based fluorescent probe for direct bio-imaging of lysosomal pH changes. <i>Talanta</i> , 2014 , 130, 356-62	6.2	73
454	Fabrication of versatile cyclodextrin-functionalized upconversion luminescence nanoplatfrom for biomedical imaging. <i>Analytical Chemistry</i> , 2014 , 86, 6508-15	7.8	42
453	Universal surface-enhanced Raman scattering amplification detector for ultrasensitive detection of multiple target analytes. <i>Analytical Chemistry</i> , 2014 , 86, 2205-12	7.8	95
452	DNA "nano-claw": logic-based autonomous cancer targeting and therapy. <i>Journal of the American Chemical Society</i> , 2014 , 136, 1256-9	16.4	176
451	Alkyne-functionalized superstable graphitic silver nanoparticles for Raman imaging. <i>Journal of the American Chemical Society</i> , 2014 , 136, 13558-61	16.4	133
450	Aptamer-conjugated nanomaterials for specific cancer cell recognition and targeted cancer therapy. <i>NPG Asia Materials</i> , 2014 , 6,	10.3	89
449	Hyaluronic acid-decorated graphene oxide nanohybrids as nanocarriers for targeted and pH-responsive anticancer drug delivery. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 11882-90	9.5	137
448	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. <i>Analytical Chemistry</i> , 2014 , 86, 4521-7	7.8	71
447	Multicolor and erasable DNA photolithography. <i>ACS Nano</i> , 2014 , 8, 6849-55	16.7	42
446	Aptamer TY04 inhibits the growth of multiple myeloma cells via cell cycle arrest. <i>Tumor Biology</i> , 2014 , 35, 7561-8	2.9	4
445	Nucleic acid aptamers for living cell analysis. <i>Annual Review of Analytical Chemistry</i> , 2014 , 7, 405-26	12.5	20
444	Design of a simultaneous target and location-activatable fluorescent probe for visualizing hydrogen sulfide in lysosomes. <i>Analytical Chemistry</i> , 2014 , 86, 7508-15	7.8	113
443	Automated modular synthesis of aptamer-drug conjugates for targeted drug delivery. <i>Journal of the American Chemical Society</i> , 2014 , 136, 2731-4	16.4	130
442	Gold-Coated FeO Nanoroses with Five Unique Functions for Cancer Cell Targeting, Imaging and Therapy. <i>Advanced Functional Materials</i> , 2014 , 24, 1772-1780	15.6	158
441	Cell membrane-anchored biosensors for real-time monitoring of the cellular microenvironment. <i>Journal of the American Chemical Society</i> , 2014 , 136, 13090-3	16.4	106
440	Molecular engineering of a TBET-based two-photon fluorescent probe for ratiometric imaging of living cells and tissues. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9838-41	16.4	215
439	Bispyrene-fluorescein hybrid based FRET cassette: a convenient platform toward ratiometric time-resolved probe for bioanalytical applications. <i>Analytical Chemistry</i> , 2014 , 86, 10389-96	7.8	38

438	Hollow graphitic nanocapsules as efficient electrode materials for sensitive hydrogen peroxide detection. <i>Biosensors and Bioelectronics</i> , 2014 , 52, 438-44	11.8	24
437	Plasma-assisted nitrogen doping of graphene-encapsulated Pt nanocrystals as efficient fuel cell catalysts. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 472-477	13	40
436	DNA dendrimer: an efficient nanocarrier of functional nucleic acids for intracellular molecular sensing. <i>ACS Nano</i> , 2014 , 8, 6171-81	16.7	128
435	Two-photon graphene oxide/aptamer nanosensing conjugate for in vitro or in vivo molecular probing. <i>Analytical Chemistry</i> , 2014 , 86, 3548-54	7.8	89
434	Therapeutic RNA interference targeting CKIP-1 with a cross-species sequence to stimulate bone formation. <i>Bone</i> , 2014 , 59, 76-88	4.7	30
433	Functional DNA-containing nanomaterials: cellular applications in biosensing, imaging, and targeted therapy. <i>Accounts of Chemical Research</i> , 2014 , 47, 1891-901	24.3	265
432	Multicolor fluorescent biosensor for multiplexed detection of DNA. <i>Analytical Chemistry</i> , 2014 , 86, 5009-18	7.8	104
431	Cell-SELEX aptamer for highly specific radionuclide molecular imaging of glioblastoma in vivo. <i>PLoS ONE</i> , 2014 , 9, e90752	3.7	43
430	Stiffening-induced high pulsatility flow activates endothelial inflammation via a TLR2/NF- κ B pathway. <i>PLoS ONE</i> , 2014 , 9, e102195	3.7	34
429	In vitro selection with artificial expanded genetic information systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 1449-54	11.5	233
428	Gold nanorod-photosensitizer conjugate with extracellular pH-driven tumor targeting ability for photothermal/photodynamic therapy. <i>Nano Research</i> , 2014 , 7, 1291-1301	10	91
427	A U87-EGFRvIII cell-specific aptamer mediates small interfering RNA delivery. <i>Biomedical Reports</i> , 2014 , 2, 495-499	1.8	20
426	Activatable two-photon fluorescence nanoprobe for bioimaging of glutathione in living cells and tissues. <i>Analytical Chemistry</i> , 2014 , 86, 12321-6	7.8	58
425	Synergism of matrix stiffness and vascular endothelial growth factor on mesenchymal stem cells for vascular endothelial regeneration. <i>Tissue Engineering - Part A</i> , 2014 , 20, 2503-12	3.9	37
424	Magnetic-graphitic-nanocapsule templated diacetylene assembly and photopolymerization for sensing and multicoded anti-counterfeiting. <i>Nanoscale</i> , 2014 , 6, 13097-103	7.7	17
423	An aggregated perylene-based broad-spectrum, efficient and label-free quencher for multiplexed fluorescent bioassays. <i>Biosensors and Bioelectronics</i> , 2014 , 58, 320-5	11.8	9
422	Aptamer-conjugated nanorods for targeted photothermal therapy of prostate cancer stem cells. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 2417-22	4.5	53
421	A spherical nucleic acid platform based on self-assembled DNA biopolymer for high-performance cancer therapy. <i>ACS Nano</i> , 2013 , 7, 6545-54	16.7	83

4 ²⁰	Versatile DNAzyme-based amplified biosensing platforms for nucleic acid, protein, and enzyme activity detection. <i>Analytical Chemistry</i> , 2013 , 85, 3614-20	7.8	118
4 ¹⁹	Multivalent DNA nanospheres for enhanced capture of cancer cells in microfluidic devices. <i>ACS Nano</i> , 2013 , 7, 7067-76	16.7	173
4 ¹⁸	Label-free dsDNA-Cu NPs-based fluorescent probe for highly sensitive detection of L-histidine. <i>Talanta</i> , 2013 , 107, 402-7	6.2	37
4 ¹⁷	Exploiting the higher specificity of silver amalgamation: selective detection of mercury(II) by forming Ag/Hg amalgam. <i>Analytical Chemistry</i> , 2013 , 85, 8594-600	7.8	121
4 ¹⁶	Graphene signal amplification for sensitive and real-time fluorescence anisotropy detection of small molecules. <i>Analytical Chemistry</i> , 2013 , 85, 1424-30	7.8	142
4 ¹⁵	Noncanonical self-assembly of multifunctional DNA nanoflowers for biomedical applications. <i>Journal of the American Chemical Society</i> , 2013 , 135, 16438-45	16.4	288
4 ¹⁴	Targeted bioimaging and photodynamic therapy nanoplatfrom using an aptamer-guided G-quadruplex DNA carrier and near-infrared light. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13965-9	16.4	159
4 ¹³	Building a multifunctional aptamer-based DNA nanoassembly for targeted cancer therapy. <i>Journal of the American Chemical Society</i> , 2013 , 135, 18644-50	16.4	190
4 ¹²	Responsive DNA-based hydrogels and their applications. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 1271-83	4.8	109
4 ¹¹	Nanotechnology in plant disease management: DNA-directed silver nanoparticles on graphene oxide as an antibacterial against <i>Xanthomonas perforans</i> . <i>ACS Nano</i> , 2013 , 7, 8972-80	16.7	351
4 ¹⁰	A targeted, self-delivered, and photocontrolled molecular beacon for mRNA detection in living cells. <i>Journal of the American Chemical Society</i> , 2013 , 135, 12952-5	16.4	153
4 ⁰⁹	DNA-guided metal-nanoparticle formation on graphene oxide surface. <i>Advanced Materials</i> , 2013 , 25, 2319-25	24	108
4 ⁰⁸	Target-triggered cyclic assembly of DNA-protein hybrid nanowires for dual-amplified fluorescence anisotropy assay of small molecules. <i>Analytical Chemistry</i> , 2013 , 85, 11518-23	7.8	67
4 ⁰⁷	Targeted Bioimaging and Photodynamic Therapy Nanoplatfrom Using an Aptamer-Guided G-Quadruplex DNA Carrier and Near-Infrared Light. <i>Angewandte Chemie</i> , 2013 , 125, 14215-14219	3.6	30
4 ⁰⁶	Aptamer-conjugated multifunctional nanoflowers as a platform for targeting, capture, and detection in laser desorption ionization mass spectrometry. <i>ACS Nano</i> , 2013 , 7, 417-27	16.7	87
4 ⁰⁵	DNA Aptamer-Mediated Cell Targeting. <i>Angewandte Chemie</i> , 2013 , 125, 1512-1516	3.6	20
4 ⁰⁴	DNA aptamer-mediated cell targeting. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 1472-6	16.4	113
4 ⁰³	A simple and pH-independent and ultrasensitive fluorescent probe for the rapid detection of Hg ²⁺ . <i>Talanta</i> , 2013 , 117, 326-32	6.2	16

402	High-sensitivity naphthalene-based two-photon fluorescent probe suitable for direct bioimaging of H ₂ S in living cells. <i>Analytical Chemistry</i> , 2013 , 85, 7875-81	7.8	170
401	Double-strand DNA-templated formation of copper nanoparticles as fluorescent probe for label free nuclease enzyme detection. <i>Biosensors and Bioelectronics</i> , 2013 , 42, 31-5	11.8	73
400	A novel sensitive and selective ligation-based ATP assay using a molecular beacon. <i>Analyst, The</i> , 2013 , 138, 3013-7	5	23
399	Cell-based selection provides novel molecular probes for cancer stem cells. <i>International Journal of Cancer</i> , 2013 , 132, 2578-88	7.5	44
398	Engineering a cell-surface aptamer circuit for targeted and amplified photodynamic cancer therapy. <i>ACS Nano</i> , 2013 , 7, 2312-9	16.7	78
397	Supramolecular assembly of enzyme on functionalized graphene for electrochemical biosensing. <i>Biosensors and Bioelectronics</i> , 2013 , 45, 102-7	11.8	47
396	Aptamers from cell-based selection for bioanalytical applications. <i>Chemical Reviews</i> , 2013 , 113, 2842-62	68.1	475
395	Engineering and Applications of DNA-Grafting Polymer Materials. <i>Chemical Science</i> , 2013 , 4, 1928-1938	9.4	64
394	Human cancerous and healthy cell cytotoxicity studies of a chiral β -dicarbene-digold(I) metallamacrocycle. <i>Dalton Transactions</i> , 2013 , 42, 7440-6	4.3	24
393	Engineering of switchable aptamer micelle flares for molecular imaging in living cells. <i>ACS Nano</i> , 2013 , 7, 5724-31	16.7	110
392	A controlled-release nanocarrier with extracellular pH value driven tumor targeting and translocation for drug delivery. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 7487-91	16.4	145
391	Fluorosurfactant-capped gold nanoparticles-based label-free colorimetric assay for Au ³⁺ with tunable dynamic range via a redox strategy. <i>Biosensors and Bioelectronics</i> , 2013 , 48, 1-5	11.8	16
390	An efficient fluorescence turn-on probe for Al ³⁺ based on aggregation-induced emission. <i>Analytical Methods</i> , 2013 , 5, 3909	3.2	23
389	Magnetic graphitic nanocapsules for programmed DNA fishing and detection. <i>Small</i> , 2013 , 9, 951-7	11	38
388	DNAzyme-based probes for telomerase detection in early-stage cancer diagnosis. <i>Chemistry - A European Journal</i> , 2013 , 19, 4633-9	4.8	21
387	Self-assembled, aptamer-tethered DNA nanotrains for targeted transport of molecular drugs in cancer theranostics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 7998-8003	11.5	420
386	DNA branch migration reactions through photocontrollable toehold formation. <i>Journal of the American Chemical Society</i> , 2013 , 135, 7967-73	16.4	78
385	Aptamer degradation inhibition combined with DNAzyme cascade-based signal amplification for colorimetric detection of proteins. <i>Chemical Communications</i> , 2013 , 49, 6137-9	5.8	26

384	A vitamin-responsive mesoporous nanocarrier with DNA aptamer-mediated cell targeting. <i>Chemical Communications</i> , 2013 , 49, 5823-5	5.8	58
383	A superquenched DNAzyme-erythrosin complex: a convenient, universal and low-background strategy for fluorescence catalytic biosensors. <i>Chemical Communications</i> , 2013 , 49, 6644-6	5.8	23
382	Photosensitizer-gold nanorod composite for targeted multimodal therapy. <i>Small</i> , 2013 , 9, 3678-84	11	95
381	Building fluorescent DNA nanodevices on target living cell surfaces. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 5490-6	16.4	114
380	Aptamer-conjugated gold nanoparticles for bioanalysis. <i>Nanomedicine</i> , 2013 , 8, 983-93	5.6	110
379	An efficient fluorescent sensing platform for biomolecules based on fenton reaction triggered molecular beacon cleavage strategy. <i>Biosensors and Bioelectronics</i> , 2013 , 41, 442-5	11.8	13
378	DNA aptamers that target human glioblastoma multiforme cells overexpressing epidermal growth factor receptor variant III in vitro. <i>Acta Pharmacologica Sinica</i> , 2013 , 34, 1491-8	8	39
377	Requirement of TPO/c-mpl for IL-17A-induced granulopoiesis and megakaryopoiesis. <i>Journal of Leukocyte Biology</i> , 2013 , 94, 1303-8	6.5	4
376	Cellular Internalization and Cytotoxicity of Aptamers Selected from Lung Cancer Cell. <i>American Journal of Biomedical Sciences</i> , 2013 , 47-58		10
375	Atomic force microscopy study of the effects of water-soluble fullerenes on the elasticity of living plant cells. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 2388-94	4.5	2
374	Cancer cell sensing and therapy using affinity tag-conjugated gold nanorods. <i>Interface Focus</i> , 2013 , 3, 20130006	3.9	37
373	DNA micelle flares for intracellular mRNA imaging and gene therapy. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 2012-6	16.4	133
372	NUCLEIC ACID-FUNCTIONALIZED NANOMATERIALS. <i>Nano LIFE</i> , 2013 , 03, 1340004	0.9	9
371	DNA Micelle Flares for Intracellular mRNA Imaging and Gene Therapy. <i>Angewandte Chemie</i> , 2013 , 125, 2066-2070	3.6	36
370	Modifying cellular properties using artificial aptamer-lipid receptors. <i>Scientific Reports</i> , 2013 , 3, 3343	4.9	13
369	A Controlled-Release Nanocarrier with Extracellular pH Value Driven Tumor Targeting and Translocation for Drug Delivery. <i>Angewandte Chemie</i> , 2013 , 125, 7635-7639	3.6	21
368	Selection of an aptamer antidote to the anticoagulant drug bivalirudin. <i>PLoS ONE</i> , 2013 , 8, e57341	3.7	12
367	Propofol protects against focal cerebral ischemia via inhibition of microglia-mediated proinflammatory cytokines in a rat model of experimental stroke. <i>PLoS ONE</i> , 2013 , 8, e82729	3.7	37

366	Using aptamers for cancer biomarker discovery. <i>Journal of Nucleic Acids</i> , 2013 , 2013, 817350	2.3	43
365	Molecular recognition of live cells using DNA aptamers. <i>World Journal of Translational Medicine</i> , 2013 , 2, 67-74	8	43
364	An exonuclease III and graphene oxide-aided assay for DNA detection. <i>Biosensors and Bioelectronics</i> , 2012 , 35, 475-478	11.8	57
363	Mercury(II) ion detection via pyrene-mediated photolysis of disulfide bonds. <i>Chemistry - A European Journal</i> , 2012 , 18, 1286-9	4.8	27
362	A novel aptamer developed for breast cancer cell internalization. <i>ChemMedChem</i> , 2012 , 7, 79-84	3.7	77
361	An autonomous and controllable light-driven DNA walking device. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2457-60	16.4	155
360	Aptamer-incorporated hydrogels for visual detection, controlled drug release, and targeted cancer therapy. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 187-94	4.4	46
359	Hybridization-triggered isothermal signal amplification coupled with MutS for label-free and sensitive fluorescent assay of SNPs. <i>Chemical Communications</i> , 2012 , 48, 5659-61	5.8	13
358	Pattern recognition of cancer cells using aptamer-conjugated magnetic nanoparticles. <i>ACS Nano</i> , 2012 , 6, 3974-81	16.7	153
357	Enrichment and detection of rare proteins with aptamer-conjugated gold nanorods. <i>Analytical Chemistry</i> , 2012 , 84, 6008-15	7.8	72
356	Endonucleolytic inhibition assay of DNA/Fok I transducer as a sensitive platform for homogeneous fluorescence detection of small molecule-protein interactions. <i>Analytical Chemistry</i> , 2012 , 84, 5708-15	7.8	29
355	Semiquantification of ATP in live cells using nonspecific desorption of DNA from graphene oxide as the internal reference. <i>Analytical Chemistry</i> , 2012 , 84, 8622-7	7.8	98
354	DNA-capped mesoporous silica nanoparticles as an ion-responsive release system to determine the presence of mercury in aqueous solutions. <i>Analytical Chemistry</i> , 2012 , 84, 1956-62	7.8	122
353	Colorimetric logic gates based on aptamer-crosslinked hydrogels. <i>Chemical Communications</i> , 2012 , 48, 1248-50	5.8	82
352	A proximity-dependent surface hybridization strategy for constructing an efficient signal-on electrochemical DNAzyme sensing system. <i>Chemical Communications</i> , 2012 , 48, 9507-9	5.8	21
351	An efficient rhodamine thiospirolactam-based fluorescent probe for detection of Hg ²⁺ in aqueous samples. <i>Analyst</i> , 2012 , 137, 932-8	5	70
350	Helical Conjugated Polyelectrolyte Aggregation Induced by Biotin-Avidin Interaction. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 1711-5	6.4	12
349	Bifunctional fluoroionophore-ionic liquid hybrid for toxic heavy metal ions: improving its performance via the synergistic extraction strategy. <i>Analytical Chemistry</i> , 2012 , 84, 4253-7	7.8	40

348	One-step facile surface engineering of hydrophobic nanocrystals with designer molecular recognition. <i>Journal of the American Chemical Society</i> , 2012 , 134, 13164-7	16.4	48
347	Efficient fluorescence turn-on probe for zirconium via a target-triggered DNA molecular beacon strategy. <i>Analytical Chemistry</i> , 2012 , 84, 2124-8	7.8	32
346	Nucleic acid aptamers: an emerging frontier in cancer therapy. <i>Chemical Communications</i> , 2012 , 48, 10472-80	3.80	116
345	Molecular beacon aptamers for direct and universal quantitation of recombinant proteins from cell lysates. <i>Analytical Chemistry</i> , 2012 , 84, 8272-6	7.8	23
344	Generating aptamers by cell-SELEX for applications in molecular medicine. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 3341-53	6.3	105
343	Nanotechnology in therapeutics: a focus on nanoparticles as a drug delivery system. <i>Nanomedicine</i> , 2012 , 7, 1253-71	5.6	387
342	Aptamer-conjugated optical nanomaterials for bioanalysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2012 , 39, 72-86	14.6	42
341	Aptamer-nanoparticle assembly for logic-based detection. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 3007-11	9.5	59
340	Macroscopic volume change of dynamic hydrogels induced by reversible DNA hybridization. <i>Journal of the American Chemical Society</i> , 2012 , 134, 12302-7	16.4	109
339	A logical molecular circuit for programmable and autonomous regulation of protein activity using DNA aptamer-protein interactions. <i>Journal of the American Chemical Society</i> , 2012 , 134, 20797-804	16.4	94
338	Fabricating a reversible and regenerable Raman-active substrate with a biomolecule-controlled DNA nanomachine. <i>Journal of the American Chemical Society</i> , 2012 , 134, 19957-60	16.4	99
337	Through bond energy transfer: a convenient and universal strategy toward efficient ratiometric fluorescent probe for bioimaging applications. <i>Analytical Chemistry</i> , 2012 , 84, 10777-84	7.8	148
336	Aptamer-enabled efficient isolation of cancer cells from whole blood using a microfluidic device. <i>Analytical Chemistry</i> , 2012 , 84, 4199-206	7.8	192
335	Selection of aptamers specific for adipose tissue. <i>PLoS ONE</i> , 2012 , 7, e37789	3.7	31
334	Building a nanostructure with reversible motions using photonic energy. <i>ACS Nano</i> , 2012 , 6, 7935-41	16.7	63
333	Assembly of aptamer switch probes and photosensitizer on gold nanorods for targeted photothermal and photodynamic cancer therapy. <i>ACS Nano</i> , 2012 , 6, 5070-7	16.7	297
332	Self-assembled aptamer-based drug carriers for bispecific cytotoxicity to cancer cells. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 1630-6	4.5	56
331	Photon-manipulated drug release from a mesoporous nanocontainer controlled by azobenzene-modified nucleic acid. <i>ACS Nano</i> , 2012 , 6, 6337-44	16.7	212

330	Fluorescent dye-doped silica nanoparticles: new tools for bioapplications. <i>Chemical Communications</i> , 2012 , 48, 2270-82	5.8	192
329	Single-molecule atomic force microscopy on live cells compares aptamer and antibody rupture forces. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 3205-9	4.4	27
328	Facile synthesis of Ni/Au, Ni/Ag hybrid magnetic nanoparticles: New active substrates for surface enhanced Raman scattering. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 403, 148-154	5.1	18
327	Targeted delivery of chemotherapy agents using a liver cancer-specific aptamer. <i>PLoS ONE</i> , 2012 , 7, e33434	3.7	88
326	Engineering molecular beacons for intracellular imaging. <i>International Journal of Molecular Imaging</i> , 2012 , 2012, 501579		18
325	Generation of lung adenocarcinoma DNA aptamers for cancer studies. <i>PLoS ONE</i> , 2012 , 7, e46222	3.7	20
324	Insulin-binding aptamer-conjugated graphene oxide for insulin detection. <i>Analyst, The</i> , 2011 , 136, 4138-40	5.0	108
323	Graphene-DNAzyme based biosensor for amplified fluorescence "turn-on" detection of Pb ²⁺ with a high selectivity. <i>Analytical Chemistry</i> , 2011 , 83, 5062-6	7.8	355
322	In vitro Selection of DNA Aptamers to Glioblastoma Multiforme. <i>ACS Chemical Neuroscience</i> , 2011 , 2, 175-181	5.7	88
321	New strategy for label-free and time-resolved luminescent assay of protein: conjugate Eu ³⁺ complex and aptamer-wrapped carbon nanotubes. <i>Analytical Chemistry</i> , 2011 , 83, 782-9	7.8	80
320	Capturing cancer cells using aptamer-immobilized square capillary channels. <i>Molecular BioSystems</i> , 2011 , 7, 1720-7		26
319	Single-walled carbon nanotubes as optical materials for biosensing. <i>Nanoscale</i> , 2011 , 3, 1949-56	7.7	73
318	Detection of lysozyme magnetic relaxation switches based on aptamer-functionalized superparamagnetic nanoparticles. <i>Analytical Chemistry</i> , 2011 , 83, 7795-9	7.8	76
317	Molecular beacon based bioassay for highly sensitive and selective detection of nicotinamide adenine dinucleotide and the activity of alanine aminotransferase. <i>Analytical Chemistry</i> , 2011 , 83, 2505-10	7.8	34
316	Unimolecular catalytic DNA biosensor for amplified detection of L-histidine via an enzymatic recycling cleavage strategy. <i>Analytical Chemistry</i> , 2011 , 83, 7603-7	7.8	67
315	Molecular engineering of photoresponsive three-dimensional DNA nanostructures. <i>Chemical Communications</i> , 2011 , 47, 4670-2	5.8	49
314	Design of a room-temperature phosphorescence-based molecular beacon for highly sensitive detection of nucleic acids in biological fluids. <i>Analytical Chemistry</i> , 2011 , 83, 1356-62	7.8	48
313	A nanoscale DNA-Au dendrimer as a signal amplifier for the universal design of functional DNA-based SERS biosensors. <i>Chemical Communications</i> , 2011 , 47, 3840-2	5.8	52

312	Smart multifunctional nanostructure for targeted cancer chemotherapy and magnetic resonance imaging. <i>ACS Nano</i> , 2011 , 5, 7866-73	16.7	110
311	Aptamer-conjugated nanoparticles for cancer cell detection. <i>Analytical Chemistry</i> , 2011 , 83, 727-34	7.8	156
310	Engineering polymeric aptamers for selective cytotoxicity. <i>Journal of the American Chemical Society</i> , 2011 , 133, 13380-6	16.4	50
309	Aptamer-modified nanodrug delivery systems. <i>ACS Nano</i> , 2011 , 5, 7696-9	16.7	41
308	Aptamer-conjugated nanomaterials for bioanalysis and biotechnology applications. <i>Nanoscale</i> , 2011 , 3, 546-56	7.7	98
307	Combination of π -stacking and electrostatic repulsion between carboxylic carbon nanoparticles and fluorescent oligonucleotides for rapid and sensitive detection of thrombin. <i>Chemical Communications</i> , 2011 , 47, 11321-3	5.8	60
306	Engineering DNA aptamers for novel analytical and biomedical applications. <i>Chemical Science</i> , 2011 , 2, 1003	9.4	63
305	Photoresponsive DNA-cross-linked hydrogels for controllable release and cancer therapy. <i>Langmuir</i> , 2011 , 27, 399-408	4	137
304	Near-infrared light-responsive core-shell nanogels for targeted drug delivery. <i>ACS Nano</i> , 2011 , 5, 5094-9	16.7	228
303	Amplified detection of cocaine based on strand-displacement polymerization and fluorescence resonance energy transfer. <i>Biosensors and Bioelectronics</i> , 2011 , 28, 450-3	11.8	43
302	An anion-conjugated polyelectrolyte designed for the selective and sensitive detection of silver(I). <i>Chemistry - an Asian Journal</i> , 2011 , 6, 1500-4	4.5	20
301	Aptamer-conjugated nanomaterials and their applications. <i>Advanced Drug Delivery Reviews</i> , 2011 , 63, 1361-70	18.5	171
300	A versatile graphene-based fluorescence "on/off" switch for multiplex detection of various targets. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 3260-5	11.8	203
299	Cell-SELEX-based aptamer-conjugated nanomaterials for enhanced targeting of cancer cells. <i>Science China Chemistry</i> , 2011 , 54, 1218-1226	7.9	16
298	Magnetically driven single DNA nanomotor. <i>Small</i> , 2011 , 7, 601-5	11	10
297	Aptamer-assembled nanomaterials for biosensing and biomedical applications. <i>Small</i> , 2011 , 7, 2428-36	11	62
296	Aptamers: turning the spotlight on cells. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2011 , 3, 328-40	9.2	25
295	Aptamer Selection, Phage Display, and Sensor Development 2011 , 191-209		

294	Pyrene-Excimer Probes Based on the Hybridization Chain Reaction for the Detection of Nucleic Acids in Complex Biological Fluids. <i>Angewandte Chemie</i> , 2011 , 123, 421-424	3.6	36
293	Self-assembly of a bifunctional DNA carrier for drug delivery. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 6098-101	16.4	76
292	A ligation-triggered DNAzyme cascade for amplified fluorescence detection of biological small molecules with zero-background signal. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11686-91	16.4	195
291	A simple but highly sensitive and selective colorimetric and fluorescent probe for Cu ²⁺ in aqueous media. <i>Analyst, The</i> , 2011 , 136, 1124-8	5	73
290	One-pot self-assembly of flower-like Cu ₂ S structures with near-infrared photoluminescent properties. <i>CrystEngComm</i> , 2011 , 13, 6549	3.3	20
289	Nucleic acid-functionalized nanomaterials for bioimaging applications. <i>Journal of Materials Chemistry</i> , 2011 , 21, 16323		40
288	Activatable aptamer probe for contrast-enhanced in vivo cancer imaging based on cell membrane protein-triggered conformation alteration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 3900-5	11.5	251
287	Using azobenzene incorporated DNA aptamers to probe molecular binding interactions. <i>Bioconjugate Chemistry</i> , 2011 , 22, 282-8	6.3	34
286	Molecular beacon-based junction probes for efficient detection of nucleic acids via a true target-triggered enzymatic recycling amplification. <i>Analytical Chemistry</i> , 2011 , 83, 14-7	7.8	96
285	Design of aptamer-based sensing platform using triple-helix molecular switch. <i>Analytical Chemistry</i> , 2011 , 83, 6586-92	7.8	141
284	Photon-regulated DNA-enzymatic nanostructures by molecular assembly. <i>ACS Nano</i> , 2011 , 5, 10090-5	16.7	51
283	Optimization of antibody-conjugated magnetic nanoparticles for target preconcentration and immunoassays. <i>Analytical Biochemistry</i> , 2011 , 410, 124-32	3.1	42
282	CdSe quantum dots decorated by mercaptosuccinic acid as fluorescence probe for Cu ²⁺ . <i>Journal of Luminescence</i> , 2011 , 131, 947-951	3.8	52
281	Recent developments in protein and cell-targeted aptamer selection and applications. <i>Current Medicinal Chemistry</i> , 2011 , 18, 4117-25	4.3	38
280	Using silver nanowire antennas to enhance the conversion efficiency of photoresponsive DNA nanomotors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 9331-6	11.5	30
279	Aptamer-drug conjugation for targeted tumor cell therapy. <i>Methods in Molecular Biology</i> , 2011 , 764, 141-52	1.4	6
278	MODIFYING CELLULAR PROPERTIES USING ARTIFICIAL APTAMER-LIPID RECEPTORS. <i>FASEB Journal</i> , 2011 , 25, lb386	0.9	
277	Development of DNA aptamers using Cell-SELEX. <i>Nature Protocols</i> , 2010 , 5, 1169-85	18.8	573

276	DNA aptamers as molecular probes for colorectal cancer study. <i>PLoS ONE</i> , 2010 , 5, e14269	3.7	85
275	Using live cells to generate aptamers for cancer study. <i>Methods in Molecular Biology</i> , 2010 , 629, 355-67	1.4	2
274	Silica-Based Nanoparticles: Design and Properties. <i>Springer Series on Fluorescence</i> , 2010 , 229-251	0.5	9
273	A liposome-based nanostructure for aptamer directed delivery. <i>Chemical Communications</i> , 2010 , 46, 249-58	5.8	142
272	Aptamers generated from cell-SELEX for molecular medicine: a chemical biology approach. <i>Accounts of Chemical Research</i> , 2010 , 43, 48-57	24.3	625
271	Nanoparticle-aptamer conjugates for cancer cell targeting and detection. <i>Methods in Molecular Biology</i> , 2010 , 624, 235-48	1.4	26
270	Aptamers recognizing glycosylated hemagglutinin expressed on the surface of vaccinia virus-infected cells. <i>Analytical Chemistry</i> , 2010 , 82, 8642-9	7.8	56
269	One-Pot Synthesis of Hollow PbSe Single-Crystalline Nanoboxes via Gas Bubble Assisted Ostwald Ripening. <i>Crystal Growth and Design</i> , 2010 , 10, 1257-1262	3.5	27
268	Silver ions-mediated conformational switch: facile design of structure-controllable nucleic acid probes. <i>Analytical Chemistry</i> , 2010 , 82, 6607-12	7.8	51
267	Laser desorption ionization mass spectrometry on silicon nanowell arrays. <i>Analytical Chemistry</i> , 2010 , 82, 7566-75	7.8	19
266	A surface energy transfer nanoruler for measuring binding site distances on live cell surfaces. <i>Journal of the American Chemical Society</i> , 2010 , 132, 16559-70	16.4	101
265	Modulating molecular level space proximity: a simple and efficient strategy to design structured DNA probes. <i>Analytical Chemistry</i> , 2010 , 82, 3914-21	7.8	29
264	Aptamers selected by cell-SELEX for application in cancer studies. <i>Bioanalysis</i> , 2010 , 2, 907-18	2.1	58
263	DNA aptamer-micelle as an efficient detection/delivery vehicle toward cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 5-10	11.5	282
262	A dual platform for selective analyte enrichment and ionization in mass spectrometry using aptamer-conjugated graphene oxide. <i>Journal of the American Chemical Society</i> , 2010 , 132, 17408-10	16.4	180
261	Combination of DNA ligase reaction and gold nanoparticle-quenched fluorescent oligonucleotides: a simple and efficient approach for fluorescent assaying of single-nucleotide polymorphisms. <i>Analytical Chemistry</i> , 2010 , 82, 7684-90	7.8	62
260	Pyrene-assisted efficient photolysis of disulfide bonds in DNA-based molecular engineering. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 3601-5	9.5	15
259	A highly selective ratiometric fluorescent probe for 1,4-dithiothreitol (DTT) detection. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 1650-4	3.9	42

258	Synthesis, characterization and photoluminescence of cdS hyperbranched nanocrystals by a simple solution chemistry method. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 5857-63	1.3	2
257	Engineering dendritic aptamer assemblies as superior inhibitors of protein function. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 56-9	4.5	21
256	Aptamer-target binding triggered molecular mediation of singlet oxygen generation. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 783-6	4.5	24
255	In vivo fluorescence imaging of tumors using molecular aptamers generated by cell-SELEX. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 2209-13	4.5	88
254	Competition-mediated pyrene-switching aptasensor: probing lysozyme in human serum with a monomer-excimer fluorescence switch. <i>Analytical Chemistry</i> , 2010 , 82, 10158-63	7.8	66
253	Single-walled carbon nanotube as an effective quencher. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 396, 73-83	4.4	98
252	Engineering a subcellular targetable, red-emitting, and ratiometric fluorescent probe for Ca ²⁺ and its bioimaging applications. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 1245-50	4.4	16
251	Using aptamers to visualize and capture cancer cells. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 3225-33	4.4	39
250	Synthesis, characterization and optical properties of CdS nanorods by a simple solution chemistry method. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010 , 166, 158-162	3.1	6
249	Synthesis of CdS@Au ₂ S@Au hybrid dendritic nanostructures. <i>Materials Letters</i> , 2010 , 64, 489-492	3.3	8
248	IL-17 is a potent synergistic factor with GM-CSF in mice in stimulating myelopoiesis, dendritic cell expansion, proliferation, and functional enhancement. <i>Experimental Hematology</i> , 2010 , 38, 877-884.e1	3.1	27
247	Peptide-functionalized spherical polyelectrolyte nanobrushes for real-time sensing of protease activity. <i>ChemBioChem</i> , 2010 , 11, 494-7	3.8	6
246	DNA-based micelles: synthesis, micellar properties and size-dependent cell permeability. <i>Chemistry - A European Journal</i> , 2010 , 16, 3791-7	4.8	127
245	The effects of flow type on aptamer capture in differential mobility cytometry cell separations. <i>Analytica Chimica Acta</i> , 2010 , 673, 95-100	6.6	13
244	Study of the molecular recognition of aptamers selected through ovarian cancer cell-SELEX. <i>PLoS ONE</i> , 2010 , 5, e13770	3.7	92
243	Silencing of PTK7 in colon cancer cells: caspase-10-dependent apoptosis via mitochondrial pathway. <i>PLoS ONE</i> , 2010 , 5, e14018	3.7	55
242	Generating aptamers for recognition of virus-infected cells. <i>Clinical Chemistry</i> , 2009 , 55, 813-22	5.5	122
241	Sensitive fluorescence detection of nucleic acids based on isothermal circular strand-displacement polymerization reaction. <i>Nucleic Acids Research</i> , 2009 , 37, e20	20.1	199

240	A novel methotrexate delivery system based on chitosan-methotrexate covalently conjugated nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2009 , 5, 557-64	4	33
239	Biosynthesis of size-controlled gold nanoparticles using fungus, <i>Penicillium</i> sp. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 5738-44	1.3	38
238	Aptamers generated by Cell SELEX for biomarker discovery. <i>Biomarkers in Medicine</i> , 2009 , 3, 193-202	2.3	29
237	Using photons to manipulate enzyme inhibition by an azobenzene-modified nucleic acid probe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 6489-94	11.5	118
236	Preparation and characterization of CdSe nanoparticles in the presence of Trioctylphosphine as solvent and capping agent. <i>Materials Letters</i> , 2009 , 63, 712-714	3.3	11
235	Mapping receptor density on live cells by using fluorescence correlation spectroscopy. <i>Chemistry - A European Journal</i> , 2009 , 15, 5327-36	4.8	77
234	Molecular assembly of an aptamer-drug conjugate for targeted drug delivery to tumor cells. <i>ChemBioChem</i> , 2009 , 10, 862-8	3.8	314
233	Molecular engineering of DNA: molecular beacons. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 856-70	16.4	527
232	mRNA detection in living cell using phosphorothioate-modified molecular beacon. <i>Science Bulletin</i> , 2009 , 54, 1507-1514	10.6	2
231	Trioctylphosphine as Both Solvent and Stabilizer to Synthesize CdS Nanorods. <i>Nanoscale Research Letters</i> , 2009 , 4, 1159-1165	5	62
230	Highly fluorescent dye-doped silica nanoparticles increase flow cytometry sensitivity for cancer cell monitoring. <i>Nano Research</i> , 2009 , 2, 448-461	10	64
229	Barbated Skullcup herb extract-mediated biosynthesis of gold nanoparticles and its primary application in electrochemistry. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009 , 73, 75-9	6	101
228	Nucleic acid conjugated nanomaterials for enhanced molecular recognition. <i>ACS Nano</i> , 2009 , 3, 2451-60	16.7	276
227	Aptamer-nanoparticle strip biosensor for sensitive detection of cancer cells. <i>Analytical Chemistry</i> , 2009 , 81, 10013-8	7.8	285
226	Single-DNA molecule nanomotor regulated by photons. <i>Nano Letters</i> , 2009 , 9, 2690-6	11.5	99
225	An allosteric dual-DNAzyme unimolecular probe for colorimetric detection of copper(II). <i>Journal of the American Chemical Society</i> , 2009 , 131, 14624-5	16.4	271
224	Using aptamer-conjugated fluorescence resonance energy transfer nanoparticles for multiplexed cancer cell monitoring. <i>Analytical Chemistry</i> , 2009 , 81, 7009-14	7.8	151
223	Nucleic acid aptamers for biosensors and bio-analytical applications. <i>Analyst, The</i> , 2009 , 134, 1765-75	5	166

222	Enrichment of cancer cells using aptamers immobilized on a microfluidic channel. <i>Analytical Chemistry</i> , 2009 , 81, 1033-9	7.8	185
221	Aptamer-based microfluidic device for enrichment, sorting, and detection of multiple cancer cells. <i>Analytical Chemistry</i> , 2009 , 81, 7436-42	7.8	225
220	Reversible molecular switching of molecular beacon: controlling DNA hybridization kinetics and thermodynamics using mercury(ii) ions. <i>Chemical Communications</i> , 2009 , 322-4	5.8	71
219	Recognition of subtype non-small cell lung cancer by DNA aptamers selected from living cells. <i>Analyst, The</i> , 2009 , 134, 1808-14	5	135
218	Nanoparticle-mediated IgE-receptor aggregation and signaling in RBL mast cells. <i>Journal of the American Chemical Society</i> , 2009 , 131, 17328-34	16.4	63
217	Fluorescent assay of DNA hybridization with label-free molecular switch: reducing background-signal and improving specificity by using carbon nanotubes. <i>Chemical Communications</i> , 2009 , 665-7	5.8	49
216	Using aptamers evolved from cell-SELEX to engineer a molecular delivery platform. <i>Chemical Communications</i> , 2009 , 3056-8	5.8	14
215	Engineering a unimolecular DNA-catalytic probe for single lead ion monitoring. <i>Journal of the American Chemical Society</i> , 2009 , 131, 8221-6	16.4	139
214	Biosensors for the Genomic Age 2009 , 590-598		
213	Fluorescent Aptamer Sensors 2009 , 111-130		3
212	Aptamer switch probe based on intramolecular displacement. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11268-9	16.4	257
211	Identification of liver cancer-specific aptamers using whole live cells. <i>Analytical Chemistry</i> , 2008 , 80, 721-8.8	8.8	282
210	Cell-specific aptamer probes for membrane protein elucidation in cancer cells. <i>Journal of Proteome Research</i> , 2008 , 7, 2133-9	5.6	370
209	Selective photothermal therapy for mixed cancer cells using aptamer-conjugated nanorods. <i>Langmuir</i> , 2008 , 24, 11860-5	4	200
208	Engineering target-responsive hydrogels based on aptamer-target interactions. <i>Journal of the American Chemical Society</i> , 2008 , 130, 6320-1	16.4	277
207	Cancer cell targeting using multiple aptamers conjugated on nanorods. <i>Analytical Chemistry</i> , 2008 , 80, 567-72	7.8	267
206	FRET-based aptamer probe for rapid angiogenin detection. <i>Talanta</i> , 2008 , 75, 770-4	6.2	32
205	RNA-templated single-base mutation detection based on T4 DNA ligase and reverse molecular beacon. <i>Talanta</i> , 2008 , 75, 1388-93	6.2	7

204	Real-time monitoring of double-stranded DNA cleavage using molecular beacons. <i>Talanta</i> , 2008 , 76, 458-61	6.2	16
203	FSiNPs mediated improved double immunofluorescence staining for gastric cancer cells imaging. <i>Talanta</i> , 2008 , 76, 1199-206	6.2	13
202	Gold nanoparticle-based colorimetric assay for the direct detection of cancerous cells. <i>Analytical Chemistry</i> , 2008 , 80, 1067-72	7.8	545
201	Noncovalent assembly of carbon nanotubes and single-stranded DNA: an effective sensing platform for probing biomolecular interactions. <i>Analytical Chemistry</i> , 2008 , 80, 7408-13	7.8	286
200	Real-time imaging of protein internalization using aptamer conjugates. <i>Analytical Chemistry</i> , 2008 , 80, 5002-8	7.8	34
199	Design of a novel molecular beacon: modification of the stem with artificially genetic alphabet. <i>Chemical Communications</i> , 2008 , 5128-30	5.8	32
198	Recognition of single-base mismatch DNA by Au nanoparticle-assisted electroelution. <i>Analyst</i> , 2008 , 133, 1274-9	5	10
197	Using aptamers to study protein-protein interactions. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2008 , 110, 177-94	1.7	8
196	Fluorophore-free luminescent organosilica nanoparticles. <i>Langmuir</i> , 2008 , 24, 1635-9	4	38
195	In vivo study of biodistribution and urinary excretion of surface-modified silica nanoparticles. <i>Analytical Chemistry</i> , 2008 , 80, 9597-603	7.8	295
194	Carbon nanotubes protect DNA strands during cellular delivery. <i>ACS Nano</i> , 2008 , 2, 2023-8	16.7	211
193	Nucleic acid beacons for long-term real-time intracellular monitoring. <i>Analytical Chemistry</i> , 2008 , 80, 3025-8	7.8	72
192	Regulation of singlet oxygen generation using single-walled carbon nanotubes. <i>Journal of the American Chemical Society</i> , 2008 , 130, 10856-7	16.4	239
191	Atomic force microscopy study of the effect of pulsed electric field on <i>Staphylococcus epidermidis</i> . <i>Analytical Chemistry</i> , 2008 , 80, 6222-7	7.8	15
190	Pyrene excimer signaling molecular beacons for probing nucleic acids. <i>Journal of the American Chemical Society</i> , 2008 , 130, 336-42	16.4	267
189	Using Aptamer Nanoparticle Conjugates for Cancer Cells Detection. <i>Journal of Biomedical Nanotechnology</i> , 2008 , 4, 400-409	4	27
188	Imaging breast cancer cells and tissues using peptide-labeled fluorescent silica nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 2483-7	1.3	28
187	Molecular assembly for high-performance bivalent nucleic acid inhibitor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 5664-9	11.5	155

186	NANOPARTICLES FOR BIOSENSORS 2008 , 583-621		5
185	Novel protein detection method based on proximity-dependent polymerase reaction and aptamers. <i>Science Bulletin</i> , 2008 , 53, 204-208		4
184	Study on the specific interaction between angiogenin and aptamer by atomic force microscopy (AFM). <i>Science Bulletin</i> , 2008 , 53, 198-203		7
183	Monitoring p21 mRNA expression in living cell based on molecular beacon fluorescence increasing rate. <i>Science Bulletin</i> , 2008 , 53, 357-361		6
182	Bioconjugated silica nanoparticles: Development and applications. <i>Nano Research</i> , 2008 , 1, 99-115	10	307
181	Cell-specific internalization study of an aptamer from whole cell selection. <i>Chemistry - A European Journal</i> , 2008 , 14, 1769-75	4.8	202
180	Cell specific aptamer-photosensitizer conjugates as a molecular tool in photodynamic therapy. <i>ChemMedChem</i> , 2008 , 3, 425-8	3.7	64
179	On-chip oligonucleotide ligation assay using one-dimensional microfluidic beads array for the detection of low-abundant DNA point mutations. <i>Biosensors and Bioelectronics</i> , 2008 , 23, 945-51	11.8	22
178	Telomerase catalyzed fluorescent probes for sensitive protein profiling based on one-dimensional microfluidic beads array. <i>Biosensors and Bioelectronics</i> , 2008 , 23, 1788-92	11.8	10
177	Using fluorescent nanoparticles and SYBR Green I based two-color flow cytometry to determine Mycobacterium tuberculosis avoiding false positives. <i>Biosensors and Bioelectronics</i> , 2008 , 24, 626-31	11.8	46
176	A novel kinase-based ATP assay using molecular beacon. <i>Analytical Biochemistry</i> , 2008 , 372, 131-3	3.1	48
175	Applications of aptamers in cancer cell biology. <i>Analytica Chimica Acta</i> , 2008 , 621, 101-8	6.6	98
174	Carbon nanotube-quenched fluorescent oligonucleotides: probes that fluoresce upon hybridization. <i>Journal of the American Chemical Society</i> , 2008 , 130, 8351-8	16.4	508
173	Molecular beacons in biomedical detection and clinical diagnosis. <i>International Journal of Clinical and Experimental Pathology</i> , 2008 , 1, 105-16	1.4	24
172	Aptamer-based analysis of angiogenin by fluorescence anisotropy. <i>Analyst, The</i> , 2007 , 132, 107-13	5	52
171	Hairpin fluorescence DNA probe for real-time monitoring of DNA methylation. <i>Analytical Chemistry</i> , 2007 , 79, 1050-6	7.8	136
170	Using luminescent nanoparticles as staining probes for Affymetrix GeneChips. <i>Bioconjugate Chemistry</i> , 2007 , 18, 610-3	6.3	44
169	Aptamers evolved from cultured cancer cells reveal molecular differences of cancer cells in patient samples. <i>Clinical Chemistry</i> , 2007 , 53, 1153-5	5.5	128

168	Aptamer-conjugated nanoparticles for the collection and detection of multiple cancer cells. <i>Analytical Chemistry</i> , 2007 , 79, 3075-82	7.8	310
167	Fluorescent nanoparticle-based indirect immunofluorescence microscopy for detection of <i>Mycobacterium tuberculosis</i> . <i>Journal of Biomedicine and Biotechnology</i> , 2007 , 2007, 89364		31
166	Optimization and modifications of aptamers selected from live cancer cell lines. <i>ChemBioChem</i> , 2007 , 8, 603-6	3.8	187
165	Real-time monitoring of nucleic acid dephosphorylation by using molecular beacons. <i>ChemBioChem</i> , 2007 , 8, 1487-90	3.8	16
164	Detection of single-base mutations using 1-D microfluidic beads array. <i>Electrophoresis</i> , 2007 , 28, 4668-78	3.6	12
163	Enhanced surface plasmon resonance with the modified catalytic growth of Au nanoparticles. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 1106-10	11.8	57
162	One-dimensional microfluidic beads array for multiple mRNAs expression detection. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 2759-62	11.8	18
161	Real-time monitoring of restriction endonuclease activity using molecular beacon. <i>Analytical Biochemistry</i> , 2007 , 363, 294-6	3.1	44
160	Real-time monitoring of uracil removal by uracil-DNA glycosylase using fluorescent resonance energy transfer probes. <i>Analytical Biochemistry</i> , 2007 , 366, 237-43	3.1	55
159	A novel sandwich assay with molecular beacon as report probe for nucleic acids detection on one-dimensional microfluidic beads array. <i>Analytica Chimica Acta</i> , 2007 , 587, 9-13	6.6	19
158	Rhodamine B isothiocyanate doped silica-coated fluorescent nanoparticles (RBITC-DSFNPs)-based bioprobes conjugated to Annexin V for apoptosis detection and imaging. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2007 , 3, 266-72	6	34
157	Dye-doped nanoparticles for bioanalysis. <i>Nano Today</i> , 2007 , 2, 44-50	17.9	307
156	Preparation and antibacterial activity of Fe ₃ O ₄ @Ag nanoparticles. <i>Nanotechnology</i> , 2007 , 18, 285604	3.4	401
155	Noninvasive monitoring of intracellular pH change induced by drug stimulation using silica nanoparticle sensors. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 388, 645-54	4.4	120
154	Research of the relationship of intracellular acidification and apoptosis in Hela cells based on pH nanosensors. <i>Science in China Series B: Chemistry</i> , 2007 , 50, 258-265		10
153	Ultrasensitive monitoring of ribozyme cleavage product using molecular-beacon-ligation system. <i>Science Bulletin</i> , 2007 , 52, 603-607		3
152	Synthesis and investigation of deoxyribonucleic acid/locked nucleic acid chimeric molecular beacons. <i>Nucleic Acids Research</i> , 2007 , 35, 4030-41	20.1	67
151	Using force spectroscopy analysis to improve the properties of the hairpin probe. <i>Nucleic Acids Research</i> , 2007 , 35, e145	20.1	3

150	Using optical tweezers for measuring the interaction forces between human bone cells and implant surfaces: System design and force calibration. <i>Review of Scientific Instruments</i> , 2007 , 78, 074302	1.7	28
149	Aptamer directly evolved from live cells recognizes membrane bound immunoglobulin heavy mu chain in Burkitt's lymphoma cells. <i>Molecular and Cellular Proteomics</i> , 2007 , 6, 2230-8	7.6	231
148	Superior structure stability and selectivity of hairpin nucleic acid probes with an L-DNA stem. <i>Nucleic Acids Research</i> , 2007 , 35, 7279-87	20.1	84
147	TRPM8 mechanism of cold allodynia after chronic nerve injury. <i>Journal of Neuroscience</i> , 2007 , 27, 13680-86	8.6	179
146	Characterization of different sequences of DNA on si substrate by atomic force microscopy and gold nanoparticle labeling. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 418-23	1.3	7
145	Identification of live liver cancer cells in a mixed cell system using galactose-conjugated fluorescent nanoparticles. <i>Talanta</i> , 2007 , 71, 833-40	6.2	42
144	Fidelity genotyping of point mutation by enhanced melting point difference using DNA ligase. <i>Talanta</i> , 2007 , 73, 23-9	6.2	2
143	Preparation of luminescent Cy5 doped core-shell SFNPs and its application as a near-infrared fluorescent marker. <i>Talanta</i> , 2007 , 72, 1519-26	6.2	50
142	Plasmid DNA isolation using amino-silica coated magnetic nanoparticles (ASMNPs). <i>Talanta</i> , 2007 , 73, 764-9	6.2	45
141	Selection of aptamers for molecular recognition and characterization of cancer cells. <i>Analytical Chemistry</i> , 2007 , 79, 4900-7	7.8	398
140	Fluorescent nanoparticles for multiplexed bacteria monitoring. <i>Bioconjugate Chemistry</i> , 2007 , 18, 297-301	3.3	150
139	Fluorescent nanoparticle for bacteria and DNA detection. <i>Advances in Experimental Medicine and Biology</i> , 2007 , 620, 129-35	3.6	12
138	FloDots: luminescent nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 385, 518-24	4.4	138
137	Bioeffects of different functionalized silica nanoparticles on HaCaT cell line. <i>Science Bulletin</i> , 2006 , 51, 1939-1946		15
136	Quantitative detection of ING1 mRNA under different gene regulation based on molecular beacon. <i>Science Bulletin</i> , 2006 , 51, 2059-2064		3
135	Using molecular beacons for sensitive fluorescence assays of the enzymatic cleavage of nucleic acids. <i>Methods in Molecular Biology</i> , 2006 , 335, 71-81	1.4	10
134	Watching Silica Nanoparticles Glow in the Biological World. <i>Analytical Chemistry</i> , 2006 , 78, 646-654	7.8	318
133	Nanoparticles for multiplex diagnostics and imaging. <i>Nanomedicine</i> , 2006 , 1, 413-26	5.6	80

132	Electrical switching of DNA monolayers investigated by surface plasmon resonance. <i>Langmuir</i> , 2006 , 22, 5654-9	4	39
131	Atomic force microscopy study of different effects of natural and semisynthetic beta-lactam on the cell envelope of Escherichia coli. <i>Analytical Chemistry</i> , 2006 , 78, 7341-5	7.8	30
130	Surface modification of silica nanoparticles to reduce aggregation and nonspecific binding. <i>Langmuir</i> , 2006 , 22, 4357-62	4	667
129	Aptamer-conjugated nanoparticles for selective collection and detection of cancer cells. <i>Analytical Chemistry</i> , 2006 , 78, 2918-24	7.8	390
128	Quantitative intracellular molecular profiling using a one-dimensional flow system. <i>Analytical Chemistry</i> , 2006 , 78, 6246-51	7.8	25
127	Aptamers evolved from live cells as effective molecular probes for cancer study. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 11838-43	11.5	1159
126	Multicolor FRET silica nanoparticles by single wavelength excitation. <i>Nano Letters</i> , 2006 , 6, 84-8	11.5	402
125	Real-time monitoring of DNA polymerase activity using molecular beacon. <i>Analytical Biochemistry</i> , 2006 , 353, 141-3	3.1	28
124	Immunofluorescent labeling of cancer cells with quantum dots synthesized in aqueous solution. <i>Analytical Biochemistry</i> , 2006 , 354, 169-74	3.1	46
123	Improving the performance of immobilized molecular beacons through cleavage. <i>Analytica Chimica Acta</i> , 2006 , 567, 173-178	6.6	13
122	Fluorescence lifetime measurements to determine the core-shell nanostructure of FITC-doped silica nanoparticles: An optical approach to evaluate nanoparticle photostability. <i>Journal of Luminescence</i> , 2006 , 117, 75-82	3.8	83
121	An antisense oligonucleotide carrier based on amino silica nanoparticles for antisense inhibition of cancer cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2006 , 2, 113-20	6	45
120	Bioconjugated silica-coated nanoparticles for bioseparation and bioanalysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2006 , 25, 848-855	14.6	106
119	Using bioconjugated nanoparticles to monitor E. coli in a flow channel. <i>Chemistry - an Asian Journal</i> , 2006 , 1, 384-90	4.5	16
118	Influence of anions on the formation and properties of chitosan-DNA nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2005 , 5, 713-7	1.3	18
117	Using molecular beacon to monitor activity of E. coli DNA ligase. <i>Analyst, The</i> , 2005 , 130, 350-7	5	41
116	Simultaneous monitoring of the expression of multiple genes inside of single breast carcinoma cells. <i>Analytical Chemistry</i> , 2005 , 77, 4713-8	7.8	82
115	Locked nucleic acid molecular beacons. <i>Journal of the American Chemical Society</i> , 2005 , 127, 15664-5	16.4	184

114	Dual-luminophore-doped silica nanoparticles for multiplexed signaling. <i>Nano Letters</i> , 2005 , 5, 37-43	11.5	297
113	Oriented assembly of Au nanorods using biorecognition system. <i>Chemical Communications</i> , 2005 , 1092-45,8		204
112	Bioconjugated Silica Nanoparticles for Bioanalytical Applications 2005 , 444-457		2
111	Biomedical applications based on core-shell nanoparticles. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2005 , 2006, 717-9		
110	Cancer Cell Proteomics Using Molecular Aptamers 2005 , 73-85		
109	Direct synthesis of an oligonucleotide-poly(phenylene ethynylene) conjugate with a precise one-to-one molecular ratio. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 2572-6	16.4	112
108	Direct Synthesis of an OligonucleotidePoly(phenylene ethynylene) Conjugate with a Precise One-to-One Molecular Ratio. <i>Angewandte Chemie</i> , 2005 , 117, 2628-2632	3.6	29
107	Investigation of molecular beacon aptamer-based bioassay for platelet-derived growth factor detection. <i>ChemBioChem</i> , 2005 , 6, 900-7	3.8	63
106	Stochasticity of manganese superoxide dismutase mRNA expression in breast carcinoma cells by molecular beacon imaging. <i>ChemBioChem</i> , 2005 , 6, 2041-7	3.8	38
105	Real-time investigation of nucleic acids phosphorylation process using molecular beacons. <i>Nucleic Acids Research</i> , 2005 , 33, e97	20.1	110
104	Uptake of silica-coated nanoparticles by HeLa cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2005 , 5, 1688-93	1.3	105
103	Folate conjugated fluorescent silica nanoparticles for labeling neoplastic cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2005 , 5, 899-904	1.3	62
102	Detection of halide ions with AlGaNGaN high electron mobility transistors. <i>Applied Physics Letters</i> , 2005 , 86, 173502	3.4	30
101	Molecular Beacon Aptamers for Protein Monitoring in Real-Time and in Homogeneous Solutions. <i>Current Proteomics</i> , 2005 , 2, 31-40	0.7	26
100	Luminescent nanoparticle probes for bioimaging. <i>Journal of Nanoscience and Nanotechnology</i> , 2004 , 4, 590-9	1.3	74
99	A novel fluorescent label based on organic dye-doped silica nanoparticles for HepG liver cancer cell recognition. <i>Journal of Nanoscience and Nanotechnology</i> , 2004 , 4, 585-9	1.3	79
98	Real-time Protein Monitoring Based on Molecular Beacons. <i>Current Proteomics</i> , 2004 , 1, 315-324	0.7	5
97	A fibre-optic mode-filtered light sensor for general and fast chemical assay. <i>Measurement Science and Technology</i> , 2004 , 15, 137-142	2	5

96	Functionalized nanoparticles for liquid atmospheric pressure matrix-assisted laser desorption/ionization peptide analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2004 , 18, 2367-74	2.2	47
95	Design of a modular-based fluorescent conjugated polymer for selective sensing. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 5635-8	16.4	69
94	Bionanotechnology based on silica nanoparticles. <i>Medicinal Research Reviews</i> , 2004 , 24, 621-38	14.4	386
93	Adeno-associated virus Rep78/Rep68 promotes localized melting of the rep binding element in the absence of adenosine triphosphate. <i>ChemBioChem</i> , 2004 , 5, 324-32	3.8	10
92	A two-dimensional imaging biosensor to monitor enhanced brain glutamate release stimulated by nicotine. <i>Journal of Neuroscience Methods</i> , 2004 , 135, 71-8	3	15
91	Molecular beacons. <i>Current Opinion in Chemical Biology</i> , 2004 , 8, 547-53	9.7	442
90	Molecular-beacon-based array for sensitive DNA analysis. <i>Analytical Biochemistry</i> , 2004 , 331, 216-23	3.1	86
89	Ultrasensitive detection of biomolecules with fluorescent dye-doped nanoparticles. <i>Analytical Biochemistry</i> , 2004 , 334, 135-44	3.1	235
88	Monitoring molecular beacon/DNA interactions using atomic force microscopy. <i>Analytical Chemistry</i> , 2004 , 76, 5721-5	7.8	24
87	A rapid bioassay for single bacterial cell quantitation using bioconjugated nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 15027-32	11.5	478
86	TAT conjugated, FITC doped silica nanoparticles for bioimaging applications. <i>Chemical Communications</i> , 2004 , 2810-1	5.8	206
85	Molecular beacon DNA probes and their bioanalytical applications. <i>Applied Spectroscopy</i> , 2004 , 58, 269A-280A	3.8	52
84	Assembly of silica nanoparticles for two-dimensional nanomaterials. <i>Journal of Nanoscience and Nanotechnology</i> , 2004 , 4, 635-40	1.3	18
83	Bioconjugated Luminescent Nanoparticles for Biological Applications. <i>Journal of Dispersion Science and Technology</i> , 2003 , 24, 453-464	1.5	50
82	Real-time monitoring of nucleic acid ligation in homogenous solutions using molecular beacons. <i>Nucleic Acids Research</i> , 2003 , 31, e148	20.1	66
81	A novel gene carrier based on amino-modified silica nanoparticles. <i>Science Bulletin</i> , 2003 , 48, 223-228		12
80	Real time monitoring of nucleic acids ligation based on molecular beacon. <i>Science Bulletin</i> , 2003 , 48, 1215-1218		7
79	Monitoring molecular beacon DNA probe hybridization at the single-molecule level. <i>Chemistry - A European Journal</i> , 2003 , 9, 5686-92	4.8	61

78	Synthetic DNA aptamers to detect protein molecular variants in a high-throughput fluorescence quenching assay. <i>ChemBioChem</i> , 2003 , 4, 829-34	3.8	146
77	A real-time assay for DNA sticky-end pairing using molecular beacons. <i>Analytical Biochemistry</i> , 2003 , 312, 251-4	3.1	21
76	Bioconjugated nanoparticles for DNA protection from cleavage. <i>Journal of the American Chemical Society</i> , 2003 , 125, 7168-9	16.4	244
75	Two-dimensional imaging biosensor for the monitoring of lactate released from brain slices. <i>Applied Spectroscopy</i> , 2003 , 57, 689-96	3.1	4
74	Ultrasensitive DNA detection using highly fluorescent bioconjugated nanoparticles. <i>Journal of the American Chemical Society</i> , 2003 , 125, 11474-5	16.4	487
73	Collection of trace amounts of DNA/mRNA molecules using genomagnetic nanocaptors. <i>Analytical Chemistry</i> , 2003 , 75, 3476-83	7.8	142
72	A Novel DNA-Enrichment Technology Based on Amino-Modified Functionalized Silica Nanoparticles. <i>Journal of Dispersion Science and Technology</i> , 2003 , 24, 633-640	1.5	14
71	Immobilization of oligonucleotides onto silica nanoparticles for DNA hybridization studies. <i>Analytica Chimica Acta</i> , 2002 , 470, 51-56	6.6	143
70	Molecular beacons: fluorogenic probes for living cell study. <i>Cell Biochemistry and Biophysics</i> , 2002 , 37, 71-81	3.2	53
69	Photostable luminescent nanoparticles as biological label for cell recognition of system lupus erythematosus patients. <i>Journal of Nanoscience and Nanotechnology</i> , 2002 , 2, 317-20	1.3	28
68	Development of organic dye-doped silica nanoparticles for bioanalysis and biosensors. <i>Journal of Nanoscience and Nanotechnology</i> , 2002 , 2, 405-9	1.3	124
67	A Single DNA Molecule Nanomotor. <i>Nano Letters</i> , 2002 , 2, 315-318	11.5	233
66	Molecular aptamer beacons for real-time protein recognition. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 292, 31-40	3.4	275
65	FEMTOLITER MICROARRAY WELLS FOR ULTRASENSITIVE DNA/mRNA DETECTION. <i>Instrumentation Science and Technology</i> , 2002 , 30, 465-476	1.4	8
64	A selective optode membrane for histidine based on fluorescence enhancement of meso-meso-linked porphyrin dimer. <i>Analytical Chemistry</i> , 2002 , 74, 1088-96	7.8	67
63	Ultrasensitive optical DNA biosensor based on surface immobilization of molecular beacon by a bridge structure. <i>Analytical Sciences</i> , 2001 , 17, 1149-53	1.7	61
62	Optical DNA biosensor based on molecular beacon immobilized on sol-gel membrane 2001 ,		2
61	Atomic force microscopy for the characterization of immobilized enzyme molecules on biosensor surfaces. <i>Fresenius Journal of Analytical Chemistry</i> , 2001 , 369, 302-7		21

60	A novel fluorescent label based on biological fluorescent nanoparticles and its application in cell recognition. <i>Science Bulletin</i> , 2001 , 46, 1962-1965		11
59	Preparation and application of silica-coated magnetic nanoparticles 2001 ,		2
58	Conjugation of biomolecules with luminophore-doped silica nanoparticles for photostable biomarkers. <i>Analytical Chemistry</i> , 2001 , 73, 4988-93	7.8	675
57	Development of novel dye-doped silica nanoparticles for biomarker application. <i>Journal of Biomedical Optics</i> , 2001 , 6, 160-6	3.5	233
56	Synthesis and Characterization of Silica-Coated Iron Oxide Nanoparticles in Microemulsion: The Effect of Nonionic Surfactants. <i>Langmuir</i> , 2001 , 17, 2900-2906	4	675
55	Biochemically functionalized silica nanoparticles. <i>Analyst, The</i> , 2001 , 126, 1274-8	5	395
54	Real-time monitoring of intracellular mRNA hybridization inside single living cells. <i>Analytical Chemistry</i> , 2001 , 73, 5544-50	7.8	134
53	Design of a Molecular Beacon DNA Probe with Two Fluorophores 2001 , 40, 402		5
52	Imaging single molecules and direct observation of single molecule reaction at a solid-liquid interface 2000 , 3922, 114		
51	Molecular Beacons: A Novel Approach to Detect Protein-DNA Interactions. <i>Angewandte Chemie</i> , 2000 , 112, 1091-1094	3.6	34
50	Direct observation of single-molecule generation at a solid-liquid interface. <i>Chemistry - A European Journal</i> , 2000 , 6, 1087-92	4.8	11
49	Molecular Beacons: A Novel Approach to Detect Protein - DNA Interactions This work was partially supported by a U.S. NSF Career Award (CHE-9733650) and by a U.S. Office of Naval Research Young Investigator Award (N00014-98-1-0621). <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 1049-1052	16.4	173
48	Molecular beacons for DNA biosensors with micrometer to submicrometer dimensions. <i>Analytical Biochemistry</i> , 2000 , 283, 56-63	3.1	129
47	Evanescent energy in square and circular fibers. <i>Journal of Mathematical Chemistry</i> , 2000 , 27, 251-265	2.1	0
46	Localized exocytosis detected by spatially resolved amperometry in single pancreatic beta-cells. <i>Cell Biochemistry and Biophysics</i> , 2000 , 33, 227-40	3.2	22
45	Subwavelength Optical Microscopy and Spectroscopy Using Near-Field Optics. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2000 , 25, 87-162	10.1	4
44	Using molecular beacons as a sensitive fluorescence assay for enzymatic cleavage of single-stranded DNA. <i>Nucleic Acids Research</i> , 2000 , 28, E52	20.1	190
43	Using molecular beacons to probe molecular interactions between lactate dehydrogenase and single-stranded DNA. <i>Analytical Chemistry</i> , 2000 , 72, 3280-5	7.8	124

42	Molecular beacons: novel fluorescent probes. <i>Analytical Chemistry</i> , 2000 , 72, 747A-753A	7.8	65
41	Novel Interaction between Glutamate and the Cu ²⁺ /DMABN/βCD Complex. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 12021-12028	2.8	14
40	Molecular beacons: a novel DNA probe for nucleic acid and protein studies. <i>Chemistry - A European Journal</i> , 2000 , 6, 1107-11	4.8	134
39	Single and multiple molecular beacon probes for DNA hybridization studies on a silica glass surface 1999 ,		2
38	Probing intracellular dynamics in living cells with near-field optics. <i>Journal of Neuroscience Methods</i> , 1999 , 89, 9-15	3	36
37	Two-dimensional biochemical imaging sensor for spatially resolved glutamate monitoring. <i>Analytica Chimica Acta</i> , 1999 , 401, 91-94	6.6	8
36	Dynamic SIMS: Quantification at All Depths?. <i>Mikrochimica Acta</i> , 1999 , 131, 129-135	5.8	29
35	Designing a Novel Molecular Beacon for Surface-Immobilized DNA Hybridization Studies. <i>Journal of the American Chemical Society</i> , 1999 , 121, 2921-2922	16.4	228
34	Ultrasmall optical sensors for cellular measurements. <i>Analytical Chemistry</i> , 1999 , 71, 606A-612A	7.8	33
33	The restoration of pyrene fluorescence of a Cu(II)-cyclodextrin-pyrene complex. <i>Chemical Communications</i> , 1999 , 1301-1302	5.8	10
32	A fiber-optic evanescent wave DNA biosensor based on novel molecular beacons. <i>Analytical Chemistry</i> , 1999 , 71, 5054-9	7.8	240
31	Imaging single fluorescent molecules at the interface of an optical fiber probe by evanescent wave excitation. <i>Analytical Chemistry</i> , 1999 , 71, 3101-5	7.8	79
30	Direct Immobilization of Glutamate Dehydrogenase on Optical Fiber Probes for Ultrasensitive Glutamate Detection. <i>Analytical Chemistry</i> , 1999 , 71, 1529-1533	7.8	100
29	Microfabrication of biosensors for neurotransmitter analysis 1999 ,		1
28	Exciton localization hierarchy and directed energy transfer in conjugated linear aromatic chains and dendrimeric supermolecules. <i>Journal of Luminescence</i> , 1998 , 76-77, 193-196	3.8	41
27	Development of a single molecule optical probe. <i>Thin Solid Films</i> , 1998 , 331, 189-193	2.2	5
26	Optical measurements on the nanometer scale. <i>TrAC - Trends in Analytical Chemistry</i> , 1998 , 17, 501-513	14.6	6
25	Molecular Nano-Lenses: Directed Energy Migration and Back-Transfer in Dendrimeric Antenna Supermolecules. <i>Molecular Crystals and Liquid Crystals</i> , 1998 , 314, 37-46		1

24	Real Time pH Measurements in the Intact Rat Conceptus Using Ultramicrofiber-Optic Sensors. <i>ACS Symposium Series</i> , 1998 , 266-272	0.4	1
23	Dendrimeric Antenna Supermolecules with Multistep Directed Energy Transfer 1998 , 521-533		4
22	Spectroscopic Evidence for Excitonic Localization in Fractal Antenna Supermolecules. <i>Physical Review Letters</i> , 1997 , 78, 1239-1242	7.4	268
21	Directed Energy Transfer Funnels in Dendrimeric Antenna Supermolecules \square <i>Journal of Physical Chemistry B</i> , 1997 , 101, 6318-6322	3.4	257
20	Monitoring the Reactions of Single Enzyme Molecules and Single Metal Ions. <i>Analytical Chemistry</i> , 1997 , 69, 4242-4248	7.8	103
19	Imaging Neurotransmitter Uptake and Depletion in Astrocytes. <i>Applied Spectroscopy</i> , 1997 , 51, 1139-1143	4.1	12
18	Neurotransmitter imaging in living cells based on native fluorescence detection. <i>Analytical Chemistry</i> , 1995 , 67, 2575-9	7.8	44
17	Miniaturized fiber-optic chemical sensors with fluorescent dye-doped polymers. <i>Sensors and Actuators B: Chemical</i> , 1995 , 28, 157-163	8.5	19
16	Subwavelength spectroscopy, exciton supertips and mesoscopic light-matter interactions. <i>Journal of Luminescence</i> , 1994 , 58, 380-387	3.8	16
15	Near-field fiber optic chemical sensors and biological applications 1994 , 2068, 59		2
14	Near-Field Optical Microscopy, Spectroscopy, and Chemical Sensors. <i>Applied Spectroscopy Reviews</i> , 1994 , 29, 39-66	4.5	41
13	Near-field optics: Chemical sensors, photon supertips and subwavelength spectroscopy 1994 , 301-318		3
12	Nanometer optical fiber pH sensor 1993 ,		3
11	Spectral analysis of surfaces at subwavelength resolution 1992 ,		2
10	Submicrometer intracellular chemical optical fiber sensors. <i>Science</i> , 1992 , 258, 778-81	33.3	246
9	Development of submicron chemical fiber optic sensors. <i>Analytical Chemistry</i> , 1992 , 64, 2985-2990	7.8	128
8	Evanescent luminescence and nanometer-size light source. <i>Journal of Luminescence</i> , 1991 , 48-49, 871-875	3.8	12
7	Novel Nanostructures as Molecular Nanomotors 49-60		

6	Molecularly Engineered Aptamers Targeting Tumor Tissue and Cancer Cells for Efficient in vivo Recognition and Enrichment. <i>CCS Chemistry</i> ,1-8	7.2	2
5	Multifunctional Shape Memory Films for a Flexible Electrical Sensor. <i>Macromolecular Materials and Engineering</i> ,2100580	3.9	0
4	DNA Computing: Principle, Construction, and Applications in Intelligent Diagnostics. <i>Small Structures</i> ,2100051	8.7	4
3	A Magnetocatalytic Propelled Cobalt@Platinum@Graphene Navigator for Enhanced Tumor Penetration and Theranostics. <i>CCS Chemistry</i> ,2382-2395	7.2	5
2	Hydrogen-Bonding-Induced H-Aggregation of Charge-Transfer Complexes for Ultra-Efficient Second Near-Infrared Region Photothermal Conversion. <i>CCS Chemistry</i> ,2288-2298	7.2	4
1	Green synthesis of Au@WSe ₂ hybrid nanostructures with the enhanced peroxidase-like activity for sensitive colorimetric detection of glucose. <i>Nano Research</i> ,1	10	7