

Seyed Mohammad Taghdisi

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.

218
papers

6,735
citations

46
h-index

68
g-index

226
ext. papers

8,532
ext. citations

7
avg, IF

6.56
L-index

#	Paper	IF	Citations
218	Smart delivery of epirubicin to cancer cells using aptamer-modified ferritin nanoparticles.. <i>Journal of Drug Targeting</i> , 2022 , 1-12	5.4	2
217	A highly sensitive electrochemical aptasensor for cocaine detection based on CRISPR-Cas12a and terminal deoxynucleotidyl transferase as signal amplifiers.. <i>Talanta</i> , 2022 , 241, 123276	6.2	2
216	An ultra-sensitive dual-responsive aptasensor with combination of liquid crystal and intercalating dye molecules: A Food toxin case study.. <i>Food Chemistry</i> , 2022 , 381, 132265	8.5	0
215	Current progress in aptamer-based sensing tools for ultra-low level monitoring of Alzheimer's disease biomarkers. <i>Biosensors and Bioelectronics</i> , 2022 , 197, 113789	11.8	4
214	Optical and Electrochemical Aptasensors for Sensitive Detection of Aflatoxin B and Aflatoxin M in Blood Serum, Grape Juice, and Milk Samples. <i>Methods in Molecular Biology</i> , 2022 , 2393, 417-436	1.4	1
213	Aptamer-Based Sensors for Drug Analysis 2022 , 65-88		
212	Quantum Dot Nanomaterials as the Aptasensing Platforms. <i>Materials Horizons</i> , 2022 , 61-81	0.6	
211	Development of PNC-27 targeted codelivery system for survivin-shRNA and SN38 against colon adenocarcinoma in vitro and in vivo. <i>Journal of Drug Delivery Science and Technology</i> , 2022 , 69, 103180	4.5	
210	Targeted biomimetic hollow mesoporous organosilica nanoparticles for delivery of doxorubicin to colon adenocarcinoma: In vitro and in vivo evaluation. <i>Microporous and Mesoporous Materials</i> , 2022 , 335, 111841	5.3	1
209	Metal organic frameworks as advanced functional materials for aptasensor design.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 276, 121251	4.4	2
208	Dual-targeted delivery of doxorubicin by mesoporous silica nanoparticle coated with AS1411 aptamer and RGDK-R peptide to breast cancer in vitro and in vivo. <i>Journal of Drug Delivery Science and Technology</i> , 2022 , 71, 103285	4.5	0
207	Recent progress in the early detection of cancer based on CD44 biomarker; nano-biosensing approaches.. <i>Life Sciences</i> , 2022 , 120593	6.8	3
206	Dual-targeted and controlled release delivery of doxorubicin to breast adenocarcinoma: In vitro and in vivo studies. <i>International Journal of Pharmaceutics</i> , 2022 , 121892	6.5	0
205	A highly sensitive fluorescent aptasensor for detection of prostate specific antigen based on the integration of a DNA structure and CRISPR-Cas12a. <i>Analytica Chimica Acta</i> , 2022 , 340031	6.6	0
204	Silica-Quantum Dot Nanomaterials as a Versatile Sensing Platform. <i>Critical Reviews in Analytical Chemistry</i> , 2021 , 51, 687-708	5.2	11
203	Synthesis of block copolymers used in polymersome fabrication: Application in drug delivery. <i>Journal of Controlled Release</i> , 2021 , 341, 95-117	11.7	7
202	A novel aptasensor for colorimetric monitoring of tobramycin: Strategy of enzyme-like activity of AuNPs controlled by three-way junction DNA pockets. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 120626	4.4	0

201	Design and Synthesis of a Star-Like Polymeric Micelle Modified with AS1411 Aptamer for Targeted Delivery of Camptothecin for Cancer Therapy. <i>International Journal of Pharmaceutics</i> , 2021 , 611, 121346	6.5	4
200	A simple and ultrasensitive metal-organic framework-based aptasensor for fluorescence detection of ethanolamine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 267, 120488	4.4	2
199	Design and synthesis of targeted star-shaped micelle for guided delivery of camptothecin: In vitro and in vivo evaluation. <i>Materials Science and Engineering C</i> , 2021 , 131, 112529	8.3	2
198	Aptamer-based ATP-responsive delivery systems for cancer diagnosis and treatment. <i>Acta Biomaterialia</i> , 2021 , 123, 110-122	10.8	16
197	Ultrasensitive detection of micrococcal nuclease activity and Staphylococcus aureus contamination using optical biosensor technology-A review. <i>Talanta</i> , 2021 , 226, 122168	6.2	6
196	A novel electrochemical approach for the ultrasensitive detection of fluoroquinolones based on a double-labelled aptamer to surpass complementary strands of aptamer lying flat. <i>Sensors and Actuators B: Chemical</i> , 2021 , 334, 129632	8.5	7
195	Fabrication of versatile targeted lipopolymerosomes for improved camptothecin efficacy against colon adenocarcinoma in vitro and in vivo. <i>Expert Opinion on Drug Delivery</i> , 2021 , 18, 1309-1322	8	5
194	A novel targeted co-delivery system for transfer of epirubicin and anti-miR-10b into cancer cells through a linear DNA nanostructure consisting of FOXM1 and AS1411 aptamers. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 63, 102521	4.5	5
193	Targeted SPION siderophore conjugate loaded with doxorubicin as a theranostic agent for imaging and treatment of colon carcinoma. <i>Scientific Reports</i> , 2021 , 11, 13065	4.9	4
192	A simple and label-free fluorescent aptasensor for detection of tobramycin: Appropriate for on-site antibiotic monitoring. <i>Microchemical Journal</i> , 2021 , 165, 106128	4.8	3
191	A novel colorimetric aptasensor for ultrasensitive detection of aflatoxin M based on the combination of CRISPR-Cas12a, rolling circle amplification and catalytic activity of gold nanoparticles. <i>Analytica Chimica Acta</i> , 2021 , 1165, 338549	6.6	13
190	Self-targeted polymersomal co-formulation of doxorubicin, camptothecin and FOXM1 aptamer for efficient treatment of non-small cell lung cancer. <i>Journal of Controlled Release</i> , 2021 , 335, 369-388	11.7	7
189	A fluorescent sensing strategy for ultrasensitive detection of oxytetracycline in milk based on aptamer-magnetic bead conjugate, complementary strand of aptamer and PicoGreen. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 246, 119009	4.4	8
188	A novel electrochemical aptasensor for ochratoxin a sensing in spiked food using strand-displacement polymerase reaction. <i>Talanta</i> , 2021 , 223, 121705	6.2	23
187	An electrochemical sensing method based on an oligonucleotide structure for ultrasensitive detection of malachite green. <i>Microchemical Journal</i> , 2021 , 160, 105598	4.8	7
186	Ladder-like targeted and gated doxorubicin delivery using bivalent aptamer in vitro and in vivo. <i>Materials Science and Engineering C</i> , 2021 , 119, 111618	8.3	2
185	An optical aptasensor for aflatoxin M1 detection based on target-induced protection of gold nanoparticles against salt-induced aggregation and silica nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 246, 119062	4.4	7
184	Self-assembled polymeric vesicles: Focus on polymerosomes in cancer treatment. <i>Journal of Controlled Release</i> , 2021 , 330, 502-528	11.7	20

183	A highly sensitive, simple and label-free fluorescent aptasensor for tobramycin sensing based on PicoGreen intercalation into DNA duplex regions of three-way junction origami. <i>Microchemical Journal</i> , 2021 , 160, 105657	4.8	6
182	Targeted delivery and controlled release of doxorubicin to cancer cells by smart ATP-responsive Y-shaped DNA structure-capped mesoporous silica nanoparticles. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 1351-1363	7.3	9
181	Smart metal organic frameworks: focus on cancer treatment. <i>Biomaterials Science</i> , 2021 , 9, 1503-1529	7.4	11
180	Fabrication of anionic dextran-coated micelles for aptamer targeted delivery of camptothecin and survivin-shRNA to colon adenocarcinoma. <i>Gene Therapy</i> , 2021 ,	4	8
179	CRISPR-cas9 genome editing delivery systems for targeted cancer therapy. <i>Life Sciences</i> , 2021 , 267, 118969	6.9	9
178	Targeted delivery system using silica nanoparticles coated with chitosan and AS1411 for combination therapy of doxorubicin and anti-miR-21. <i>Carbohydrate Polymers</i> , 2021 , 266, 118111	10.3	8
177	Liquid crystal-based biosensors as lab-on-chip tools: Promising for future on-site detection test kits. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 142, 116325	14.6	8
176	Application of the catalytic activity of gold nanoparticles for development of optical aptasensors. <i>Analytical Biochemistry</i> , 2021 , 629, 114307	3.1	3
175	Recent applications of quantum dots in optical and electrochemical aptasensing detection of Lysozyme. <i>Analytical Biochemistry</i> , 2021 , 630, 114334	3.1	3
174	Selection of DNA aptamers for tramadol through the systematic evolution of ligands by exponential enrichment method for fabrication of a sensitive fluorescent aptasensor based on graphene oxide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 259, 119840	4.4	6
173	Aptamer targeted red blood cell membrane-coated porphyrinic copper-based MOF for guided photochemotherapy against metastatic breast cancer. <i>Microporous and Mesoporous Materials</i> , 2021 , 325, 111337	5.3	4
172	Theranostic nanobubbles towards smart nanomedicines. <i>Journal of Controlled Release</i> , 2021 , 339, 164-194.7	14.7	5
171	A novel liquid crystal-based aptasensor for ultra-low detection of ochratoxin a using a B-shaped DNA structure: Promising for future on-site detection test strips. <i>Biosensors and Bioelectronics</i> , 2021 , 191, 113457	11.8	10
170	Recent achievements and advances in optical and electrochemical aptasensing detection of ATP based on quantum dots. <i>Talanta</i> , 2021 , 235, 122753	6.2	2
169	A bivalent binding aptamer-cDNA on MoS nanosheets based fluorescent aptasensor for detection of aflatoxin M. <i>Talanta</i> , 2021 , 235, 122779	6.2	2
168	Design and synthesis of a new magnetic metal organic framework as a versatile platform for immobilization of acidic catalysts and CO ₂ fixation reaction. <i>New Journal of Chemistry</i> , 2021 , 45, 15405-15414	3.6	4
167	Marriage of phospholipid and block copolymer in lipopolymerosome hybrid structure for efficient tumor accumulation. <i>International Journal of Pharmaceutics</i> , 2020 , 591, 120030	6.5	3
166	Synthesis of chimeric polymerosomes based on PLA-b-PHPMA and PCL-b-PHPMA for nucleoline guided delivery of SN38. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020 , 28, 102227	6	8

165	A novel turn-off fluorescent aptasensor for ampicillin detection based on perylenetetracarboxylic acid diimide and gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2020 , 164, 112329	11.8	28
164	Co-delivery of doxorubicin and β CNA aptamer using AS1411-modified pH-responsive nanoparticles for cancer synergistic therapy. <i>Journal of Drug Delivery Science and Technology</i> , 2020 , 58, 101816	4.5	6
163	Thermosensitive composite hydrogel incorporated with curcumin-loaded nanopolymerosomes for prolonged and localized treatment of glioma. <i>Journal of Drug Delivery Science and Technology</i> , 2020 , 59, 101885	4.5	4
162	Co-delivery of doxorubicin and aptamer against Forkhead box M1 using chitosan-gold nanoparticles coated with nucleolin aptamer for synergistic treatment of cancer cells. <i>Carbohydrate Polymers</i> , 2020 , 248, 116735	10.3	20
161	Nanosensors for water safety 2020 , 285-301		2
160	Application of nanosensors for food safety 2020 , 369-386		3
159	Sensors design based on hybrid gold-silica nanostructures. <i>Biosensors and Bioelectronics</i> , 2020 , 153, 1120548	11.4	12
158	Synthesis of multimodal polymerosomes for targeted drug delivery and MR/fluorescence imaging in metastatic breast cancer model. <i>International Journal of Pharmaceutics</i> , 2020 , 578, 119091	6.5	21
157	Nanoparticles Application for Cancer Diagnosis. <i>Environmental Chemistry for A Sustainable World</i> , 2020 , 25-52	0.8	
156	Point-of-care detection of O157:H7 in water using AuNPs-based aptasensor. <i>Iranian Journal of Basic Medical Sciences</i> , 2020 , 23, 901-908	1.8	1
155	A DNA triangular prism-based fluorescent aptasensor for ultrasensitive detection of prostate-specific antigen. <i>Analytica Chimica Acta</i> , 2020 , 1120, 36-42	6.6	7
154	Targeted MMP-2 responsive chimeric polymerosomes for therapy against colorectal cancer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 193, 111135	6	21
153	Development and Evaluation of Novel Aptamers Specific for Human PD1 Using Hybrid Systematic Evolution of Ligands by Exponential Enrichment Approach. <i>Immunological Investigations</i> , 2020 , 49, 535-554	2.9	6
152	A smart ATP-responsive chemotherapy drug-free delivery system using a DNA nanostructure for synergistic treatment of breast cancer and. <i>Journal of Drug Targeting</i> , 2020 , 28, 852-859	5.4	10
151	Hybrid carbon-based materials for gene delivery in cancer therapy. <i>Journal of Controlled Release</i> , 2020 , 318, 158-175	11.7	23
150	Therapeutic applications of AS1411 aptamer, an update review. <i>International Journal of Biological Macromolecules</i> , 2020 , 155, 1420-1431	7.9	68
149	Targeted doxorubicin-loaded mesenchymal stem cells-derived exosomes as a versatile platform for fighting against colorectal cancer. <i>Life Sciences</i> , 2020 , 261, 118369	6.8	36
148	Oral delivery of folate-targeted resveratrol-loaded nanoparticles for inflammatory bowel disease therapy in rats. <i>Life Sciences</i> , 2020 , 262, 118555	6.8	17

147	Targeted rod-shaped mesoporous silica nanoparticles for the co-delivery of camptothecin and survivin shRNA in to colon adenocarcinoma in vitro and in vivo. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020 , 156, 84-96	5.7	27
146	Reducing Doxorubicin resistance in breast cancer by liposomal FOXM1 aptamer: In vitro and in vivo. <i>Life Sciences</i> , 2020 , 262, 118520	6.8	6
145	"Smart" self-assembled structures: toward intelligent dual responsive drug delivery systems. <i>Biomaterials Science</i> , 2020 , 8, 5787-5803	7.4	11
144	Combination therapy using Smac peptide and doxorubicin-encapsulated MUC 1-targeted polymeric nanoparticles to sensitize cancer cells to chemotherapy: An in vitro and in vivo study. <i>International Journal of Pharmaceutics</i> , 2020 , 587, 119650	6.5	11
143	Hybrid nanoreservoirs based on dextran-capped dendritic mesoporous silica nanoparticles for CD133-targeted drug delivery. <i>Journal of Cellular Physiology</i> , 2020 , 235, 1036-1050	7	20
142	In vitro selection of tacrolimus binding aptamer by systematic evolution of ligands by exponential enrichment method for the development of a fluorescent aptasensor for sensitive detection of tacrolimus. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 177, 112853	3.5	4
141	Aptamer-Incorporated Nanoparticle Systems for Drug Delivery 2020 , 95-112		1
140	DNA origami-based aptasensors. <i>Biosensors and Bioelectronics</i> , 2019 , 143, 111662	11.8	18
139	Hybrid silica-coated Gd-Zn-Cu-In-S/ZnS bimodal quantum dots as an epithelial cell adhesion molecule targeted drug delivery and imaging system. <i>International Journal of Pharmaceutics</i> , 2019 , 570, 118645	6.5	20
138	An ultrasensitive electrochemical sensing method for detection of microcystin-LR based on infinity-shaped DNA structure using double aptamer and terminal deoxynucleotidyl transferase. <i>Biosensors and Bioelectronics</i> , 2019 , 144, 111674	11.8	24
137	A rapid and simple ratiometric fluorescent sensor for patulin detection based on a stabilized DNA duplex probe containing less amount of aptamer-involved base pairs. <i>Talanta</i> , 2019 , 204, 641-646	6.2	22
136	Fluorescent sensor for detection of miR-141 based on target-induced fluorescence enhancement and PicoGreen. <i>Talanta</i> , 2019 , 202, 349-353	6.2	11
135	A fluorometric assay for oxytetracycline based on the use of its europium(III) complex and aptamer-modified silver nanoparticles. <i>Mikrochimica Acta</i> , 2019 , 186, 290	5.8	9
134	An electrochemical sensing platform based on ladder-shaped DNA structure and label-free aptamer for ultrasensitive detection of ampicillin. <i>Biosensors and Bioelectronics</i> , 2019 , 133, 230-235	11.8	33
133	An ultrasensitive electrochemical sensor for 17 β -estradiol using split aptamers. <i>Analytica Chimica Acta</i> , 2019 , 1065, 107-112	6.6	26
132	Targeted delivery of tacrolimus to T cells by pH-responsive aptamer-chitosan- poly(lactic-co-glycolic acid) nanocomplex. <i>Journal of Cellular Physiology</i> , 2019 , 234, 18262-18271	7	9
131	Graphene-Based Hybrid Nanomaterials for Biomedical Applications 2019 , 119-141		6
130	High affinity of AS1411 toward copper; its application in a sensitive aptasensor for copper detection. <i>Analytical Biochemistry</i> , 2019 , 575, 1-9	3.1	14

129	Targeted imaging of breast cancer cells using two different kinds of aptamers-functionalized nanoparticles. <i>European Journal of Pharmaceutical Sciences</i> , 2019 , 134, 60-68	5.1	10
128	Immunomodulatory properties of MSC-derived exosomes armed with high affinity aptamer toward myelin as a platform for reducing multiple sclerosis clinical score. <i>Journal of Controlled Release</i> , 2019 , 299, 149-164	11.7	40
127	Exosomes, new biomarkers in early cancer detection. <i>Analytical Biochemistry</i> , 2019 , 571, 1-13	3.1	66
126	An electrochemical biosensor based on hemoglobin-oligonucleotides-modified electrode for detection of acrylamide in potato fries. <i>Food Chemistry</i> , 2019 , 271, 54-61	8.5	19
125	Enzyme responsive drug delivery systems in cancer treatment. <i>Journal of Controlled Release</i> , 2019 , 308, 172-189	11.7	108
124	Synthesis of hyaluronic acid-based polymersomes for doxorubicin delivery to metastatic breast cancer. <i>International Journal of Pharmaceutics</i> , 2019 , 572, 118835	6.5	21
123	Smart aptamer-modified calcium carbonate nanoparticles for controlled release and targeted delivery of epirubicin and melittin into cancer cells in vitro and in vivo. <i>Drug Development and Industrial Pharmacy</i> , 2019 , 45, 603-610	3.6	22
122	In vitro selection of CD70 binding aptamer and its application in a biosensor design for sensitive detection of SKOV-3 ovarian cells. <i>Talanta</i> , 2019 , 194, 399-405	6.2	18
121	A novel fluorescent aptasensor for sensitive detection of PDGF-BB protein based on a split complementary strand of aptamer and magnetic beads. <i>Sensors and Actuators B: Chemical</i> , 2019 , 280, 10-15	8.5	25
120	A novel MUC1 aptamer-modified PLGA-epirubicin-PAA-antimir-21 nanocomplex platform for targeted co-delivery of anticancer agents in vitro and in vivo. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 175, 231-238	6	29
119	A novel electrochemical aptasensor based on nontarget-induced high accumulation of methylene blue on the surface of electrode for sensing of Hynuclein oligomer. <i>Biosensors and Bioelectronics</i> , 2019 , 123, 14-18	11.8	47
118	CD133-targeted delivery of self-assembled PEGylated carboxymethylcellulose-SN38 nanoparticles to colorectal cancer. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 1159-1169	6.1	19
117	A novel colorimetric aptasensor for ultrasensitive detection of cocaine based on the formation of three-way junction pockets on the surfaces of gold nanoparticles. <i>Analytica Chimica Acta</i> , 2018 , 1020, 110-115	6.6	22
116	A Novel AS1411 Aptamer-Based Three-Way Junction Pocket DNA Nanostructure Loaded with Doxorubicin for Targeting Cancer Cells in Vitro and in Vivo. <i>Molecular Pharmaceutics</i> , 2018 , 15, 1972-1978	5.6	52
115	A Novel Electrochemical Aptasensor for Carcinoembryonic Antigen Detection Based on Target-induced Bridge Assembly. <i>Electroanalysis</i> , 2018 , 30, 1734-1739	3	10
114	Triple-helix molecular switch-based aptasensors and DNA sensors. <i>Biosensors and Bioelectronics</i> , 2018 , 111, 1-9	11.8	44
113	Development and characterization of DNA aptamers against florfenicol: Fabrication of a sensitive fluorescent aptasensor for specific detection of florfenicol in milk. <i>Talanta</i> , 2018 , 182, 193-201	6.2	35
112	Electrochemical and optical aptamer-based sensors for detection of tetracyclines. <i>Trends in Food Science and Technology</i> , 2018 , 73, 45-57	15.3	66

111	An aptamer-based colorimetric lead(II) assay based on the use of gold nanoparticles modified with dsDNA and exonuclease I. <i>Mikrochimica Acta</i> , 2018 , 185, 151	5.8	23
110	Targeted co-delivery of epirubicin and NAS-24 aptamer to cancer cells using selenium nanoparticles for enhancing tumor response in vitro and in vivo. <i>Cancer Letters</i> , 2018 , 416, 87-93	9.9	45
109	Ultrasensitive detection of aflatoxin B1 and its major metabolite aflatoxin M1 using aptasensors: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 99, 117-128	14.6	56
108	Targeted delivery of melittin to cancer cells by AS1411 anti-nucleolin aptamer. <i>Drug Development and Industrial Pharmacy</i> , 2018 , 44, 982-987	3.6	21
107	MUC1 aptamer-targeted DNA micelles for dual tumor therapy using doxorubicin and KLA peptide. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 685-697	6	39
106	Gold nanoparticle should understand protein corona for being a clinical nanomaterial. <i>Journal of Controlled Release</i> , 2018 , 272, 39-53	11.7	80
105	A label-free fluorescent aptasensor for detection of kanamycin based on dsDNA-capped mesoporous silica nanoparticles and Rhodamine B. <i>Analytica Chimica Acta</i> , 2018 , 1030, 142-147	6.6	45
104	Fluorometric aptasensing of the neonicotinoid insecticide acetamiprid by using multiple complementary strands and gold nanoparticles. <i>Mikrochimica Acta</i> , 2018 , 185, 272	5.8	23
103	Silica based hybrid materials for drug delivery and bioimaging. <i>Journal of Controlled Release</i> , 2018 , 277, 57-76	11.7	80
102	Selection of specific aptamer against enrofloxacin and fabrication of graphene oxide based label-free fluorescent assay. <i>Analytical Biochemistry</i> , 2018 , 549, 124-129	3.1	32
101	Fluorescence quenching biosensor for acrylamide detection in food products based on double-stranded DNA and gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2018 , 265, 339-345	8.5	32
100	Novel Colorimetric Aptasensor for Zearalenone Detection Based on Nontarget-Induced Aptamer Walker, Gold Nanoparticles, and Exonuclease-Assisted Recycling Amplification. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 12504-12509	9.5	65
99	Aptamer-based biosensors and nanosensors for the detection of vascular endothelial growth factor (VEGF): A review. <i>Biosensors and Bioelectronics</i> , 2018 , 110, 23-37	11.8	108
98	A colorimetric gold nanoparticle aggregation assay for malathion based on target-induced hairpin structure assembly of complementary strands of aptamer. <i>Mikrochimica Acta</i> , 2018 , 185, 216	5.8	30
97	Systematic evaluation of cell-SELEX enriched aptamers binding to breast cancer cells. <i>Biochimie</i> , 2018 , 145, 53-62	4.6	32
96	A label-free aptasensor for carcinoembryonic antigen detection using three-way junction structure and ATMND as a fluorescent probe. <i>Sensors and Actuators B: Chemical</i> , 2018 , 256, 408-412	8.5	18
95	MUC1 aptamer-conjugated mesoporous silica nanoparticles effectively target breast cancer cells. <i>Drug Development and Industrial Pharmacy</i> , 2018 , 44, 13-18	3.6	33
94	A novel electrochemical aptasensor for detection of aflatoxin M based on target-induced immobilization of gold nanoparticles on the surface of electrode. <i>Biosensors and Bioelectronics</i> , 2018 , 117, 487-492	11.8	41

93	Curcumin-entrapped MUC-1 aptamer targeted dendrimer-gold hybrid nanostructure as a theranostic system for colon adenocarcinoma. <i>International Journal of Pharmaceutics</i> , 2018 , 549, 67-75	6.5	60
92	Optical and electrochemical aptasensors for the detection of amphenicols. <i>Biosensors and Bioelectronics</i> , 2018 , 118, 137-152	11.8	23
91	Nanomaterial-based biosensors and immunosensors for quantitative determination of cardiac troponins. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 159, 425-436	3.5	20
90	Hybrid Vesicular Drug Delivery Systems for Cancer Therapeutics. <i>Advanced Functional Materials</i> , 2018 , 28, 1802136	15.6	24
89	A novel electrochemical sensor for bisphenol A detection based on nontarget-induced extension of aptamer length and formation of a physical barrier. <i>Biosensors and Bioelectronics</i> , 2018 , 119, 204-208	11.8	34
88	Determination of microcystin-LR, employing aptasensors. <i>Biosensors and Bioelectronics</i> , 2018 , 119, 110-118	11.8	32
87	Fabrication of acetylated carboxymethylcellulose coated hollow mesoporous silica hybrid nanoparticles for nucleolin targeted delivery to colon adenocarcinoma. <i>Carbohydrate Polymers</i> , 2018 , 197, 157-166	10.3	43
86	A novel amplified double-quenching aptasensor for cocaine detection based on split aptamer and silica nanoparticles. <i>Analytical Methods</i> , 2018 , 10, 3232-3236	3.2	11
85	A simple and rapid fluorescent aptasensor for ultrasensitive detection of arsenic based on target-induced conformational change of complementary strand of aptamer and silica nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2018 , 256, 472-478	8.5	28
84	Targeted delivery of doxorubicin to cancer cells by a cruciform DNA nanostructure composed of AS1411 and FOXM1 aptamers. <i>Expert Opinion on Drug Delivery</i> , 2018 , 15, 1045-1052	8	31
83	Peptide-based targeted therapeutics: Focus on cancer treatment. <i>Journal of Controlled Release</i> , 2018 , 292, 141-162	11.7	66
82	Encapsulation of Thermo-responsive Gel in pH-sensitive Polymersomes as Dual-Responsive Smart carriers for Controlled Release of Doxorubicin. <i>Journal of Controlled Release</i> , 2018 , 288, 45-61	11.7	64
81	Siderophore-based biosensors and nanosensors; new approach on the development of diagnostic systems. <i>Biosensors and Bioelectronics</i> , 2018 , 117, 1-14	11.8	28
80	Tetrac-decorated chitosan-coated PLGA nanoparticles as a new platform for targeted delivery of SN38. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 1003-1014	6.1	10
79	A new amplified fluorescent aptasensor based on hairpin structure of G-quadruplex oligonucleotide-Aptamer chimera and silica nanoparticles for sensitive detection of aflatoxin B in the grape juice. <i>Food Chemistry</i> , 2018 , 268, 342-346	8.5	39
78	Active Targeted Nanoscale Delivery Systems for Brain Tumor Therapeutics 2018 , 75-110		5
77	A novel fluorescent aptasensor for ultrasensitive detection of microcystin-LR based on single-walled carbon nanotubes and dapoxyl. <i>Talanta</i> , 2017 , 166, 187-192	6.2	46
76	Smart AS1411-aptamer conjugated pegylated PAMAM dendrimer for the superior delivery of camptothecin to colon adenocarcinoma in vitro and in vivo. <i>International Journal of Pharmaceutics</i> , 2017 , 519, 352-364	6.5	89

75	Amperometric aptasensor for ochratoxin A based on the use of a gold electrode modified with aptamer, complementary DNA, SWCNTs and the redox marker Methylene Blue. <i>Mikrochimica Acta</i> , 2017 , 184, 1151-1159	5.8	58
74	Electrochemical aptamer based assay for the neonicotinoid insecticide acetamiprid based on the use of an unmodified gold electrode. <i>Mikrochimica Acta</i> , 2017 , 184, 499-505	5.8	32
73	Aptamer-Based Fluorescent Switch for Sensitive Detection of Oxytetracycline. <i>Australian Journal of Chemistry</i> , 2017 , 70, 718	1.2	12
72	Recent nucleic acid based biosensors for Pb ²⁺ detection. <i>Sensors and Actuators B: Chemical</i> , 2017 , 246, 864-878	8.5	45
71	Colorimetric aptamer based assay for the determination of fluoroquinolones by triggering the reduction-catalyzing activity of gold nanoparticles. <i>Mikrochimica Acta</i> , 2017 , 184, 2039-2045	5.8	34
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53	Anticancer and apoptosis-inducing effects of quercetin in vitro and in vivo. <i>Oncology Reports</i> , 2017 , 38, 819-828	3.5	221
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50	Aptamer based fluorometric acetamiprid assay using three kinds of nanoparticles for powerful signal amplification. <i>Mikrochimica Acta</i> , 2017 , 184, 81-90	5.8	41
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17	A novel fluorescent aptasensor for selective and sensitive detection of digoxin based on silica nanoparticles. <i>Analytical Methods</i> , 2015 , 7, 3814-3818	3.2	32
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