

# Seyed Mohammad Taghdisi

## List of Publications by Citations

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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	Anticancer and apoptosis-inducing effects of quercetin in vitro and in vivo. <i>Oncology Reports</i> , <b>2017</b> , 38, 819-828	3.5	221
217	A novel colorimetric triple-helix molecular switch aptasensor for ultrasensitive detection of tetracycline. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 70, 181-7	11.8	152
216	Colorimetric and fluorescence quenching aptasensors for detection of streptomycin in blood serum and milk based on double-stranded DNA and gold nanoparticles. <i>Food Chemistry</i> , <b>2016</b> , 190, 115-121	8.5	139
215	A novel electrochemical aptasensor based on arch-shape structure of aptamer-complimentary strand conjugate and exonuclease I for sensitive detection of streptomycin. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 75, 123-8	11.8	119
214	Reversible targeting and controlled release delivery of daunorubicin to cancer cells by aptamer-wrapped carbon nanotubes. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2011</b> , 77, 200-6	5.7	115
213	A selective and sensitive fluorescent aptasensor for detection of kanamycin based on catalytic recycling activity of exonuclease III and gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 222, 1-7	8.5	112
212	Epirubicin loaded super paramagnetic iron oxide nanoparticle-aptamer bioconjugate for combined colon cancer therapy and imaging in vivo. <i>European Journal of Pharmaceutical Sciences</i> , <b>2013</b> , 50, 191-7	5.1	111
211	Lateral flow based immunobiosensors for detection of food contaminants. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 86, 235-246	11.8	110
210	Aptamer-based biosensors and nanosensors for the detection of vascular endothelial growth factor (VEGF): A review. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 110, 23-37	11.8	108
209	Enzyme responsive drug delivery systems in cancer treatment. <i>Journal of Controlled Release</i> , <b>2019</b> , 308, 172-189	11.7	108
208	Aptasensors for quantitative detection of kanamycin. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 82, 162-72	11.8	97
207	Fabrication of aptamer decorated dextran coated nano-graphene oxide for targeted drug delivery. <i>Carbohydrate Polymers</i> , <b>2017</b> , 155, 218-229	10.3	96
206	A novel M-shape electrochemical aptasensor for ultrasensitive detection of tetracyclines. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 85, 509-514	11.8	93
205	Double targeting and aptamer-assisted controlled release delivery of epirubicin to cancer cells by aptamers-based dendrimer in vitro and in vivo. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2016</b> , 102, 152-8	5.7	91
204	Aptamer based biosensors for detection of Staphylococcus aureus. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 241, 619-635	8.5	91
203	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> , <b>2017</b> , 519, 352-364	6.5	89
202	Chitosan-modified PLGA nanoparticles tagged with 5TR1 aptamer for in vivo tumor-targeted drug delivery. <i>Cancer Letters</i> , <b>2017</b> , 400, 1-8	9.9	88

201	A new amplified Bshape electrochemical aptasensor for ultrasensitive detection of aflatoxin B. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 94, 374-379	11.8	84
200	Kojic acid and its manganese and zinc complexes as potential radioprotective agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2007</b> , 17, 45-8	2.9	84
199	Gold nanoparticle should understand protein corona for being a clinical nanomaterial. <i>Journal of Controlled Release</i> , <b>2018</b> , 272, 39-53	11.7	80
198	Silica based hybrid materials for drug delivery and bioimaging. <i>Journal of Controlled Release</i> , <b>2018</b> , 277, 57-76	11.7	80
197	A novel colorimetric sandwich aptasensor based on an indirect competitive enzyme-free method for ultrasensitive detection of chloramphenicol. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 78, 80-86	11.8	79
196	Ultrasensitive detection of ochratoxin A using aptasensors. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 98, 168-179	11.8	78
195	Dextran-poly lactide-co-glycolide polymersomes decorated with folate-antennae for targeted delivery of docetaxel to breast adenocarcinoma in vitro and in vivo. <i>Journal of Controlled Release</i> , <b>2016</b> , 241, 45-56	11.7	71
194	Therapeutic applications of AS1411 aptamer, an update review. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 155, 1420-1431	7.9	68
193	Exosomes, new biomarkers in early cancer detection. <i>Analytical Biochemistry</i> , <b>2019</b> , 571, 1-13	3.1	66
192	Electrochemical and optical aptamer-based sensors for detection of tetracyclines. <i>Trends in Food Science and Technology</i> , <b>2018</b> , 73, 45-57	15.3	66
191	A label-free fluorescent aptasensor for selective and sensitive detection of streptomycin in milk and blood serum. <i>Food Chemistry</i> , <b>2016</b> , 203, 145-149	8.5	66
190	Peptide-based targeted therapeutics: Focus on cancer treatment. <i>Journal of Controlled Release</i> , <b>2018</b> , 292, 141-162	11.7	66
189	Novel Colorimetric Aptasensor for Zearalenone Detection Based on Nontarget-Induced Aptamer Walker, Gold Nanoparticles, and Exonuclease-Assisted Recycling Amplification. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 12504-12509	9.5	65
188	Targeted delivery of daunorubicin to T-cell acute lymphoblastic leukemia by aptamer. <i>Journal of Drug Targeting</i> , <b>2010</b> , 18, 277-81	5.4	65
187	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> , <b>2018</b> , 288, 45-61	11.7	64
186	A novel fluorescent aptasensor based on hairpin structure of complementary strand of aptamer and nanoparticles as a signal amplification approach for ultrasensitive detection of cocaine. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 79, 288-93	11.8	62
185	A novel electrochemical aptasensor based on single-walled carbon nanotubes, gold electrode and complimentary strand of aptamer for ultrasensitive detection of cocaine. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 73, 245-250	11.8	62
184	A novel fluorescent aptasensor based on gold and silica nanoparticles for the ultrasensitive detection of ochratoxin A. <i>Nanoscale</i> , <b>2016</b> , 8, 3439-46	7.7	60

183	Curcumin-entrapped MUC-1 aptamer targeted dendrimer-gold hybrid nanostructure as a theranostic system for colon adenocarcinoma. <i>International Journal of Pharmaceutics</i> , <b>2018</b> , 549, 67-75	6.5	60
182	A novel electrochemical aptasensor for ultrasensitive detection of fluoroquinolones based on single-stranded DNA-binding protein. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 240, 100-106	8.5	60
181	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> , <b>2017</b> , 184, 1151-1159	5.8	58
180	Ultrasensitive detection of aflatoxin B1 and its major metabolite aflatoxin M1 using aptasensors: A review. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2018</b> , 99, 117-128	14.6	56
179	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> , <b>2018</b> , 15, 1972-1978	5.6	52
178	Synthesis of theranostic epithelial cell adhesion molecule targeted mesoporous silica nanoparticle with gold gatekeeper for hepatocellular carcinoma. <i>Nanomedicine</i> , <b>2017</b> , 12, 1261-1279	5.6	51
177	A novel colorimetric triple-helix molecular switch aptasensor based on peroxidase-like activity of gold nanoparticles for ultrasensitive detection of lead(II). <i>RSC Advances</i> , <b>2015</b> , 5, 43508-43514	3.7	51
176	A novel electrochemical aptasensor based on Y-shape structure of dual-aptamer-complementary strand conjugate for ultrasensitive detection of myoglobin. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 80, 532-537	11.8	51
175	Targeted and controlled release delivery of daunorubicin to T-cell acute lymphoblastic leukemia by aptamer-modified gold nanoparticles. <i>International Journal of Pharmaceutics</i> , <b>2015</b> , 489, 311-7	6.5	49
174	An electrochemical aptasensor based on gold nanoparticles, thionine and hairpin structure of complementary strand of aptamer for ultrasensitive detection of lead. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 234, 462-469	8.5	49
173	A novel electrochemical aptasensor based on nontarget-induced high accumulation of methylene blue on the surface of electrode for sensing of $\beta$ -synuclein oligomer. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 123, 14-18	11.8	47
172	A novel fluorescent aptasensor for ultrasensitive detection of microcystin-LR based on single-walled carbon nanotubes and dapoxy. <i>Talanta</i> , <b>2017</b> , 166, 187-192	6.2	46
171	Nanoparticles application in high sensitive aptasensor design. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2016</b> , 85, 85-97	14.6	46
170	Double targeting, controlled release and reversible delivery of daunorubicin to cancer cells by polyvalent aptamers-modified gold nanoparticles. <i>Materials Science and Engineering C</i> , <b>2016</b> , 61, 753-61	8.3	46
169	Synthesis and preparation of biodegradable hybrid dextran hydrogel incorporated with biodegradable curcumin nanomicelles for full thickness wound healing. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 532, 466-477	6.5	46
168	Recent nucleic acid based biosensors for Pb <sup>2+</sup> detection. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 246, 864-878	8.5	45
167	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> , <b>2018</b> , 416, 87-93	9.9	45
166	A label-free fluorescent aptasensor for detection of kanamycin based on dsDNA-capped mesoporous silica nanoparticles and Rhodamine B. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1030, 142-147	6.6	45

165	Triple-helix molecular switch-based aptasensors and DNA sensors. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 111, 1-9	11.8	44
164	Identification of possible cytotoxicity mechanism of polyethylenimine by proteomics analysis. <i>Human and Experimental Toxicology</i> , <b>2016</b> , 35, 377-87	3.4	43
163	Fabrication of acetylated carboxymethylcellulose coated hollow mesoporous silica hybrid nanoparticles for nucleolin targeted delivery to colon adenocarcinoma. <i>Carbohydrate Polymers</i> , <b>2018</b> , 197, 157-166	10.3	43
162	Ultrasensitive detection of lead (II) based on fluorescent aptamer-functionalized carbon nanotubes. <i>Environmental Toxicology and Pharmacology</i> , <b>2014</b> , 37, 1236-42	5.8	42
161	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> , <b>2018</b> , 117, 487-492	11.8	41
160	Aptamer based fluorometric acetamiprid assay using three kinds of nanoparticles for powerful signal amplification. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 81-90	5.8	41
159	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> , <b>2019</b> , 299, 149-164	11.7	40
158	MUC1 aptamer-targeted DNA micelles for dual tumor therapy using doxorubicin and KLA peptide. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2018</b> , 14, 685-697	6	39
157	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> , <b>2018</b> , 268, 342-346	8.5	39
156	Targeted delivery of Epirubicin to cancer cells by PEGylated A10 aptamer. <i>Journal of Drug Targeting</i> , <b>2013</b> , 21, 739-44	5.4	36
155	Targeted doxorubicin-loaded mesenchymal stem cells-derived exosomes as a versatile platform for fighting against colorectal cancer. <i>Life Sciences</i> , <b>2020</b> , 261, 118369	6.8	36
154	Detection of kanamycin by using an aptamer-based biosensor using silica nanoparticles. <i>Analytical Methods</i> , <b>2015</b> , 7, 8611-8616	3.2	35
153	Development and characterization of DNA aptamers against florfenicol: Fabrication of a sensitive fluorescent aptasensor for specific detection of florfenicol in milk. <i>Talanta</i> , <b>2018</b> , 182, 193-201	6.2	35
152	Colorimetric aptamer based assay for the determination of fluoroquinolones by triggering the reduction-catalyzing activity of gold nanoparticles. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 2039-2045	5.8	34
151	A new chemotherapy agent-free theranostic system composed of graphene oxide nano-complex and aptamers for treatment of cancer cells. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 526, 391-399	6.5	34
150	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> , <b>2018</b> , 119, 204-208	11.8	34
149	An electrochemical sensing platform based on ladder-shaped DNA structure and label-free aptamer for ultrasensitive detection of ampicillin. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 133, 230-235	11.8	33
148	MUC1 aptamer-conjugated mesoporous silica nanoparticles effectively target breast cancer cells. <i>Drug Development and Industrial Pharmacy</i> , <b>2018</b> , 44, 13-18	3.6	33

147	Electrochemical aptamer based assay for the neonicotinoid insecticide acetamiprid based on the use of an unmodified gold electrode. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 499-505	5.8	32
146	A novel fluorescent aptasensor for selective and sensitive detection of digoxin based on silica nanoparticles. <i>Analytical Methods</i> , <b>2015</b> , 7, 3814-3818	3.2	32
145	Selection of specific aptamer against enrofloxacin and fabrication of graphene oxide based label-free fluorescent assay. <i>Analytical Biochemistry</i> , <b>2018</b> , 549, 124-129	3.1	32
144	Fluorescence quenching biosensor for acrylamide detection in food products based on double-stranded DNA and gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 265, 339-345	8.5	32
143	Systematic evaluation of cell-SELEX enriched aptamers binding to breast cancer cells. <i>Biochimie</i> , <b>2018</b> , 145, 53-62	4.6	32
142	Targeted Delivery of Epirubicin to Cancer Cells by Polyvalent Aptamer System in vitro and in vivo. <i>Pharmaceutical Research</i> , <b>2016</b> , 33, 2289-97	4.5	32
141	Determination of microcystin-LR, employing aptasensors. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 119, 110-118	11.8	32
140	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> , <b>2018</b> , 15, 1045-1052	8	31
139	A colorimetric gold nanoparticle aggregation assay for malathion based on target-induced hairpin structure assembly of complementary strands of aptamer. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 216	5.8	30
138	Colorimetric and ratiometric aggregation assay for streptomycin using gold nanoparticles and a new and highly specific aptamer. <i>Mikrochimica Acta</i> , <b>2016</b> , 183, 1687-1697	5.8	30
137	A novel electrochemical aptasensor based on H-shape structure of aptamer-complimentary strands conjugate for ultrasensitive detection of cocaine. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 224, 351-355	8.5	29
136	A novel MUC1 aptamer-modified PLGA-epirubicin-PAE-antimir-21 nanocomplex platform for targeted co-delivery of anticancer agents in vitro and in vivo. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 175, 231-238	6	29
135	A novel turn-off fluorescent aptasensor for ampicillin detection based on perylenetetracarboxylic acid diimide and gold nanoparticles. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 164, 112329	11.8	28
134	An aptamer for recognizing the transmembrane protein PDL-1 (programmed death-ligand 1), and its application to fluorometric single cell detection of human ovarian carcinoma cells. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 4029-4035	5.8	28
133	An aptasensor for selective, sensitive and fast detection of lead(II) based on polyethyleneimine and gold nanoparticles. <i>Environmental Toxicology and Pharmacology</i> , <b>2015</b> , 39, 1206-11	5.8	28
132	Sensitive and fast detection of tetracycline using an aptasensor. <i>Analytical Methods</i> , <b>2015</b> , 7, 2523-2528	3.2	28
131	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> , <b>2018</b> , 256, 472-478	8.5	28
130	Siderophore-based biosensors and nanosensors; new approach on the development of diagnostic systems. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 117, 1-14	11.8	28

129	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> , <b>2020</b> , 156, 84-96	5.7	27
128	A novel fluorescent aptasensor based on silica nanoparticles, PicoGreen and exonuclease III as a signal amplification method for ultrasensitive detection of myoglobin. <i>Analytica Chimica Acta</i> , <b>2016</b> , 917, 71-8	6.6	27
127	An ultrasensitive electrochemical sensor for 17 $\beta$ -estradiol using split aptamers. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1065, 107-112	6.6	26
126	Application of aptamers in treatment and diagnosis of leukemia. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 529, 44-54	6.5	25
125	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> , <b>2019</b> , 280, 10-15	8.5	25
124	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> , <b>2019</b> , 144, 111674	11.8	24
123	Hybrid Vesicular Drug Delivery Systems for Cancer Therapeutics. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1802136	15.6	24
122	Sensitive and selective detection of digoxin based on fluorescence quenching and colorimetric aptasensors. <i>Analytical Methods</i> , <b>2015</b> , 7, 3419-3424	3.2	23
121	An aptamer-based colorimetric lead(II) assay based on the use of gold nanoparticles modified with dsDNA and exonuclease I. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 151	5.8	23
120	Fluorometric aptasensing of the neonicotinoid insecticide acetamiprid by using multiple complementary strands and gold nanoparticles. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 272	5.8	23
119	Aptamer application in targeted delivery systems for diagnosis and treatment of breast cancer. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 7766-7778	7.3	23
118	Optical and electrochemical aptasensors for the detection of amphenicols. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 118, 137-152	11.8	23
117	Hybrid carbon-based materials for gene delivery in cancer therapy. <i>Journal of Controlled Release</i> , <b>2020</b> , 318, 158-175	11.7	23
116	A novel electrochemical aptasensor for ochratoxin a sensing in spiked food using strand-displacement polymerase reaction. <i>Talanta</i> , <b>2021</b> , 223, 121705	6.2	23
115	Tetrac-conjugated polymersomes for integrin-targeted delivery of camptothecin to colon adenocarcinoma in vitro and in vivo. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 532, 581-594	6.5	22
114	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> , <b>2019</b> , 204, 641-646	6.2	22
113	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> , <b>2018</b> , 1020, 110-115	6.6	22
112	A triple-helix molecular switch-based electrochemical aptasensor for interferon-gamma using a gold electrode and Methylene Blue as a redox probe. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 4151-4157	5.8	22

111	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> , <b>2019</b> , 45, 603-610	3.6	22
110	Synthesis of multimodal polymersomes for targeted drug delivery and MR/fluorescence imaging in metastatic breast cancer model. <i>International Journal of Pharmaceutics</i> , <b>2020</b> , 578, 119091	6.5	21
109	Targeted delivery of melittin to cancer cells by AS1411 anti-nucleolin aptamer. <i>Drug Development and Industrial Pharmacy</i> , <b>2018</b> , 44, 982-987	3.6	21
108	Synthesis of hyaluronic acid-based polymersomes for doxorubicin delivery to metastatic breast cancer. <i>International Journal of Pharmaceutics</i> , <b>2019</b> , 572, 118835	6.5	21
107	Targeted MMP-2 responsive chimeric polymersomes for therapy against colorectal cancer. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 193, 111135	6	21
106	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> , <b>2019</b> , 570, 118645	6.5	20
105	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> , <b>2020</b> , 248, 116735	10.3	20
104	Nanomaterial-based biosensors and immunosensors for quantitative determination of cardiac troponins. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 159, 425-436	3.5	20
103	An amplified fluorescent aptasensor based on single-stranded DNA binding protein, copper and silica nanoparticles for sensitive detection of interferon-gamma. <i>Analytica Chimica Acta</i> , <b>2017</b> , 984, 162-167	6.6	20
102	Aptamer Biosensor for Selective and Rapid Determination of Insulin. <i>Analytical Letters</i> , <b>2015</b> , 48, 672-681	1.2	20
101	Hybrid nanoreservoirs based on dextran-capped dendritic mesoporous silica nanoparticles for CD133-targeted drug delivery. <i>Journal of Cellular Physiology</i> , <b>2020</b> , 235, 1036-1050	7	20
100	Self-assembled polymeric vesicles: Focus on polymersomes in cancer treatment. <i>Journal of Controlled Release</i> , <b>2021</b> , 330, 502-528	11.7	20
99	Helicobacter pylori point-of-care diagnosis: Nano-scale biosensors and microfluidic systems. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2017</b> , 97, 428-444	14.6	19
98	CD133-targeted delivery of self-assembled PEGylated carboxymethylcellulose-SN38 nanoparticles to colorectal cancer. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2018</b> , 46, 1159-1169	6.1	19
97	An electrochemical biosensor based on hemoglobin-oligonucleotides-modified electrode for detection of acrylamide in potato fries. <i>Food Chemistry</i> , <b>2019</b> , 271, 54-61	8.5	19
96	A novel aptamer-based DNA diamond nanostructure for in vivo targeted delivery of epirubicin to cancer cells. <i>RSC Advances</i> , <b>2017</b> , 7, 15181-15188	3.7	18
95	DNA origami-based aptasensors. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 143, 111662	11.8	18
94	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> , <b>2018</b> , 256, 408-412	8.5	18



93	Cell-SELEX-based selection and characterization of a G-quadruplex DNA aptamer against mouse dendritic cells. <i>International Immunopharmacology</i> , <b>2016</b> , 36, 324-332	5.8	18
92	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> , <b>2019</b> , 194, 399-405	6.2	18
91	Novel selective Cox-2 inhibitors induce apoptosis in Caco-2 colorectal carcinoma cell line. <i>European Journal of Pharmaceutical Sciences</i> , <b>2011</b> , 44, 479-86	5.1	17
90	Oral delivery of folate-targeted resveratrol-loaded nanoparticles for inflammatory bowel disease therapy in rats. <i>Life Sciences</i> , <b>2020</b> , 262, 118555	6.8	17
89	Selection of DNA aptamers against Mycobacterium tuberculosis Ag85A, and its application in a graphene oxide-based fluorometric assay. <i>Mikrochimica Acta</i> , <b>2017</b> , 185, 21	5.8	17
88	Aptamer-based ATP-responsive delivery systems for cancer diagnosis and treatment. <i>Acta Biomaterialia</i> , <b>2021</b> , 123, 110-122	10.8	16
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