Mohammad Ramezani

List of Publications by Year
in descending order

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Version: 2024-02-01

396 papers	15,968 citations	13099 68 h-index	38395 95 g-index
404 all docs	404 docs citations	404 times ranked	16263 citing authors

#	Article	IF	Citations
1	Enzyme responsive drug delivery systems in cancer treatment. Journal of Controlled Release, 2019, 308, 172-189.	9.9	232
2	Antinociceptive, anti-inflammatory and acute toxicity effects of Zataria multiflora Boiss extracts in mice and rats. Journal of Ethnopharmacology, 2000, 73, 379-385.	4.1	220
3	A novel colorimetric triple-helix molecular switch aptasensor for ultrasensitive detection of tetracycline. Biosensors and Bioelectronics, 2015, 70, 181-187.	10.1	193
4	Therapeutic applications of AS1411 aptamer, an update review. International Journal of Biological Macromolecules, 2020, 155, 1420-1431.	7.5	174
5	Sesquiterpene coumarins from Ferula szowitsiana and in vitro antileishmanial activity of 7-prenyloxycoumarins against promastigotes. Phytochemistry, 2007, 68, 554-561.	2.9	170
6	SELEX methods on the road to protein targeting with nucleic acid aptamers. Biochimie, 2018, 154, 132-155.	2.6	165
7	Colorimetric and fluorescence quenching aptasensors for detection of streptomycin in blood serum and milk based on double-stranded DNA and gold nanoparticles. Food Chemistry, 2016, 190, 115-121.	8.2	162
8	Aptamer-based biosensors and nanosensors for the detection of vascular endothelial growth factor (VEGF): A review. Biosensors and Bioelectronics, 2018, 110, 23-37.	10.1	147
9	Reversible Targeting and controlled release delivery of daunorubicin to cancer cells by aptamer-wrapped carbon nanotubes. European Journal of Pharmaceutics and Biopharmaceutics, 2011, 77, 200-206.	4.3	143
10	Lateral flow based immunobiosensors for detection of food contaminants. Biosensors and Bioelectronics, 2016, 86, 235-246.	10.1	141
11	A selective and sensitive fluorescent aptasensor for detection of kanamycin based on catalytic recycling activity of exonuclease III and gold nanoparticles. Sensors and Actuators B: Chemical, 2016, 222, 1-7.	7.8	134
12	A novel electrochemical aptasensor based on arch-shape structure of aptamer-complimentary strand conjugate and exonuclease I for sensitive detection of streptomycin. Biosensors and Bioelectronics, 2016, 75, 123-128.	10.1	134
13	Aptasensors for quantitative detection of kanamycin. Biosensors and Bioelectronics, 2016, 82, 162-172.	10.1	128
14	Epirubicin loaded super paramagnetic iron oxide nanoparticle-aptamer bioconjugate for combined colon cancer therapy and imaging in vivo. European Journal of Pharmaceutical Sciences, 2013, 50, 191-197.	4.0	127
15	Aptamer based biosensors for detection of Staphylococcus aureus. Sensors and Actuators B: Chemical, 2017, 241, 619-635.	7.8	125
16	Silica based hybrid materials for drug delivery and bioimaging. Journal of Controlled Release, 2018, 277, 57-76.	9.9	125
17	Targeted doxorubicin-loaded mesenchymal stem cells-derived exosomes as a versatile platform for fighting against colorectal cancer. Life Sciences, 2020, 261, 118369.	4.3	125
18	Folate receptor-targeted multimodal polymersomes for delivery of quantum dots and doxorubicin to breast adenocarcinoma: In vitro and in vivo evaluation. International Journal of Pharmaceutics, 2016, 500, 162-178.	5.2	122

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19	Epithelial cell adhesion molecule aptamer conjugated PEGâ€“PLGA nanopolymersomes for targeted delivery of doxorubicin to human breast adenocarcinoma cell line in vitro. International Journal of Pharmaceutics, 2015, 479, 241-251.	5.2	120
20	Chitosan-modified PLGA nanoparticles tagged with 5TR1 aptamer forÂ inÂvivo tumor-targeted drug delivery. Cancer Letters, 2017, 400, 1-8.	7.2	120
21	In vitro and in vivo evaluation of therapy targeting epithelial-cell adhesion-molecule aptamers for non-small cell lung cancer. Journal of Controlled Release, 2015, 209, 88-100.	9.9	119
22	A novel M-shape electrochemical aptasensor for ultrasensitive detection of tetracyclines. Biosensors and Bioelectronics, 2016, 85, 509-514.	10.1	119
23	Bio-sensing applications of cerium oxide nanoparticles: Advantages and disadvantages. Biosensors and Bioelectronics, 2017, 96, 33-43.	10.1	119
24	Smart AS1411-aptamer conjugated pegylated PAMAM dendrimer for the superior delivery of camptothecin to colon adenocarcinoma in vitro and in vivo. International Journal of Pharmaceutics, 2017, 519, 352-364.	5.2	118
25	Fabrication of aptamer decorated dextran coated nano-graphene oxide for targeted drug delivery. Carbohydrate Polymers, 2017, 155, 218-229.	10.2	116
26	Double targeting and aptamer-assisted controlled release delivery of epirubicin to cancer cells by aptamers-based dendrimer in vitro and in vivo. European Journal of Pharmaceutics and Biopharmaceutics, 2016, 102, 152-158.	4.3	114
27	Electrochemical and optical aptamer-based sensors for detection of tetracyclines. Trends in Food Science and Technology, 2018, 73, 45-57.	15.1	113
28	Gold nanoparticle should understand protein corona for being a clinical nanomaterial. Journal of Controlled Release, 2018, 272, 39-53.	9.9	113
29	In vitro and in vivo evaluation of anti-nucleolin-targeted magnetic PLGA nanoparticles loaded with doxorubicin as a theranostic agent for enhanced targeted cancer imaging and therapy. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 113, 60-74.	4.3	112
30	Polyethylenimine-functionalized carbon nanotubes tagged with AS1411 aptamer for combination gene and drug delivery into human gastric cancer cells. International Journal of Pharmaceutics, 2017, 516, 301-312.	5.2	111
31	Recent advances in nanotechnology-based drug delivery systems for the kidney. Journal of Controlled Release, 2020, 321, 442-462.	9.9	110
32	Dextran-b-poly(lactide-co-glycolide) polymersome for oral delivery of insulin: In vitro and in vivo evaluation. Journal of Controlled Release, 2016, 227, 58-70.	9.9	109
33	Ultrasensitive detection of ochratoxin A using aptasensors. Biosensors and Bioelectronics, 2017, 98, 168-179.	10.1	107
34	Peptide-based targeted therapeutics: Focus on cancer treatment. Journal of Controlled Release, 2018, 292, 141-162.	9.9	107
35	Gene transfer efficiency of high primary amine content, hydrophobic, alkyl-oligoamine derivatives of polyethylenimine. Biomaterials, 2009, 30, 4187-4194.	11.4	106
36	A new amplified Ï€-shape electrochemical aptasensor for ultrasensitive detection of aflatoxin B1. Biosensors and Bioelectronics, 2017, 94, 374-379.	10.1	105

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37	Exosomes, new biomarkers in early cancer detection. Analytical Biochemistry, 2019, 571, 1-13.	2.4	103
38	Aptasensors as a new sensing technology developed for the detection of MUC1 mucin: A review. Biosensors and Bioelectronics, 2019, 130, 1-19.	10.1	103
39	Nanomaterial-based cocaine aptasensors. Biosensors and Bioelectronics, 2015, 68, 95-106.	10.1	102
40	Antiâ€MUC1 aptamer: A potential opportunity for cancer treatment. Medicinal Research Reviews, 2017, 37, 1518-1539.	10.5	102
41	A novel colorimetric sandwich aptasensor based on an indirect competitive enzyme-free method for ultrasensitive detection of chloramphenicol. Biosensors and Bioelectronics, 2016, 78, 80-86.	10.1	101
42	Dextran-poly lactide- co -glycolide polymersomes decorated with folate-antennae for targeted delivery of docetaxel to breast adenocarcinima in vitro and in vivo. Journal of Controlled Release, 2016, 241, 45-56.	9.9	99
43	Ultrasensitive detection of aflatoxin B1 and its major metabolite aflatoxin M1 using aptasensors: A review. TrAC - Trends in Analytical Chemistry, 2018, 99, 117-128.	11.4	96
44	Immunomodulatory properties of MSC-derived exosomes armed with high affinity aptamer toward mylein as a platform for reducing multiple sclerosis clinical score. Journal of Controlled Release, 2019, 299, 149-164.	9.9	93
45	Single-walled carbon nanotubes functionalized with aptamer and piperazineâ€“polyethylenimine derivative for targeted siRNA delivery into breast cancer cells. International Journal of Pharmaceutics, 2015, 485, 50-60.	5.2	89
46	Encapsulation of Thermo-responsive Gel in pH-sensitive Polymersomes as Dual-Responsive Smart carriers for Controlled Release of Doxorubicin. Journal of Controlled Release, 2018, 288, 45-61.	9.9	89
47	Curcumin-entrapped MUC-1 aptamer targeted dendrimer-gold hybrid nanostructure as a theranostic system for colon adenocarcinoma. International Journal of Pharmaceutics, 2018, 549, 67-75.	5.2	89
48	Cisplatin Nephrotoxicity and Protection by Milk Thistle Extract in Rats. Evidence-based Complementary and Alternative Medicine, 2005, 2, 383-386.	1.2	87
49	A novel electrochemical aptasensor for ultrasensitive detection of fluoroquinolones based on single-stranded DNA-binding protein. Sensors and Actuators B: Chemical, 2017, 240, 100-106.	7.8	87
50	Novel Colorimetric Aptasensor for Zearalenone Detection Based on Nontarget-Induced Aptamer Walker, Gold Nanoparticles, and Exonuclease-Assisted Recycling Amplification. ACS Applied Materials & Interfaces, 2018, 10, 12504-12509.	8.0	86
51	Alkylcarboxylate grafting to polyethylenimine: a simple approach to producing a DNA nanocarrier with low toxicity. Journal of Gene Medicine, 2009, 11, 921-932.	2.8	85
52	A label-free fluorescent aptasensor for selective and sensitive detection of streptomycin in milk and blood serum. Food Chemistry, 2016, 203, 145-149.	8.2	85
53	Biocompatible polymersomes-based cancer theranostics: Towards multifunctional nanomedicine. International Journal of Pharmaceutics, 2017, 519, 287-303.	5.2	85
54	AS1411 Aptamer-Decorated Biodegradable Polyethylene Glycolâ€“Poly(lactic-co-glycolic acid) Nanopolymersomes for the Targeted Delivery of Gemcitabine to Nonâ€“Small Cell Lung Cancer InÂVitro. Journal of Pharmaceutical Sciences, 2016, 105, 1741-1750.	3.3	83

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55	Recent advances in co-delivery systems based on polymeric nanoparticle for cancer treatment. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 1095-1110.	2.8	83
56	Development of new active packaging film made from a soluble soybean polysaccharide incorporating ZnO nanoparticles. Carbohydrate Polymers, 2016, 140, 220-227.	10.2	81
57	The chemotherapeutic potential of doxorubicin-loaded PEG-b-PLGA nanopolymersomes in mouse breast cancer model. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 94, 521-531.	4.3	80
58	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. Biosensors and Bioelectronics, 2016, 79, 288-293.	10.1	79
59	Muscle relaxant activity of Elaeagnus angustifolia L. fruit seeds in mice. Journal of Ethnopharmacology, 2003, 84, 275-278.	4.1	78
60	Resveratrol as MDR reversion molecule in breast cancer: An overview. Food and Chemical Toxicology, 2017, 103, 223-232.	3.6	78
61	Aptamer-targeted delivery of Bcl-xL shRNA using alkyl modified PAMAM dendrimers into lung cancer cells. International Journal of Biochemistry and Cell Biology, 2017, 92, 210-217.	2.8	78
62	Preparation and evaluation of polyethylenimine-functionalized carbon nanotubes tagged with 5TR1 aptamer for targeted delivery of Bcl-xL shRNA into breast cancer cells. Colloids and Surfaces B: Biointerfaces, 2016, 140, 28-39.	5.0	75
63	A novel electrochemical aptasensor based on nontarget-induced high accumulation of methylene blue on the surface of electrode for sensing of Î±-synuclein oligomer. Biosensors and Bioelectronics, 2019, 123, 14-18.	10.1	75
64	Synthetic and Biological Vesicular Nano-Carriers Designed for Gene Delivery. Current Pharmaceutical Design, 2015, 21, 6214-6235.	1.9	75
65	Non-covalent functionalization of single-walled carbon nanotubes with modified polyethyleneimines for efficient gene delivery. International Journal of Pharmaceutics, 2013, 454, 204-215.	5.2	73
66	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. Mikrochimica Acta, 2017, 184, 1151-1159.	5.0	72
67	A novel electrochemical aptasensor based on single-walled carbon nanotubes, gold electrode and complimentary strand of aptamer for ultrasensitive detection of cocaine. Biosensors and Bioelectronics, 2015, 73, 245-250.	10.1	71
68	Recent advances on biocompatible and biodegradable nanoparticles as gene carriers. Expert Opinion on Biological Therapy, 2016, 16, 771-785.	3.1	71
69	A novel fluorescent aptasensor based on gold and silica nanoparticles for the ultrasensitive detection of ochratoxin A. Nanoscale, 2016, 8, 3439-3446.	5.6	71
70	Identification of spathulenol in Salvia mirzayanii and the immunomodulatory effects. Phytotherapy Research, 2011, 25, 557-562.	5.8	70
71	Biodegradable nano-polymers as delivery vehicles for therapeutic small non-coding ribonucleic acids. Journal of Controlled Release, 2017, 245, 116-126.	9.9	69
72	A Novel AS1411 Aptamer-Based Three-Way Junction Pocket DNA Nanostructure Loaded with Doxorubicin for Targeting Cancer Cells in Vitro and in Vivo. Molecular Pharmaceutics, 2018, 15, 1972-1978.	4.6	69

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73	Micro and nanotechnologies for bone regeneration: Recent advances and emerging designs. Journal of Controlled Release, 2018, 274, 35-55.	9.9	68
74	A novel colorimetric triple-helix molecular switch aptasensor based on peroxidase-like activity of gold nanoparticles for ultrasensitive detection of lead(<scp>ii</scp>). RSC Advances, 2015, 5, 43508-43514.	3.6	67
75	Double targeting, controlled release and reversible delivery of daunorubicin to cancer cells by polyvalent aptamers-modified gold nanoparticles. Materials Science and Engineering C, 2016, 61, 753-761.	7.3	67
76	A label-free fluorescent aptasensor for detection of kanamycin based on dsDNA-capped mesoporous silica nanoparticles and Rhodamine B. Analytica Chimica Acta, 2018, 1030, 142-147.	5.4	67
77	The influence of size, lipid composition and bilayer fluidity of cationic liposomes on the transfection efficiency of nanolipoplexes. Colloids and Surfaces B: Biointerfaces, 2009, 72, 1-5.	5.0	66
78	Nanoparticles application in high sensitive aptasensor design. TrAC - Trends in Analytical Chemistry, 2016, 85, 85-97.	11.4	66
79	Recent nucleic acid based biosensors for Pb2+ detection. Sensors and Actuators B: Chemical, 2017, 246, 864-878.	7.8	66
80	Synthesis and preparation of biodegradable hybrid dextran hydrogel incorporated with biodegradable curcumin nanomicelles for full thickness wound healing. International Journal of Pharmaceutics, 2017, 532, 466-477.	5.2	66
81	Targeted and controlled release delivery of daunorubicin to T-cell acute lymphoblastic leukemia by aptamer-modified gold nanoparticles. International Journal of Pharmaceutics, 2015, 489, 311-317.	5.2	64
82	An electrochemical aptasensor based on gold nanoparticles, thionine and hairpin structure of complementary strand of aptamer for ultrasensitive detection of lead. Sensors and Actuators B: Chemical, 2016, 234, 462-469.	7.8	64
83	Fabrication of hybrid scaffold based on hydroxyapatite-biodegradable nanofibers incorporated with liposomal formulation of BMP-2 peptide for bone tissue engineering. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 1987-1997.	3.3	64
84	The impact of carboxyalkylation of branched polyethylenimine on effectiveness in small interfering RNA delivery. Journal of Gene Medicine, 2010, 12, 729-738.	2.8	63
85	Synthesis of AS1411-Aptamer-Conjugated CdTe Quantum Dots with High Fluorescence Strength for Probe Labeling Tumor Cells. Journal of Fluorescence, 2014, 24, 1519-1529.	2.5	63
86	Synthesis of theranostic epithelial cell adhesion molecule targeted mesoporous silica nanoparticle with gold gatekeeper for hepatocellular carcinoma. Nanomedicine, 2017, 12, 1261-1279.	3.3	63
87	A novel electrochemical aptasensor based on Y-shape structure of dual-aptamer-complementary strand conjugate for ultrasensitive detection of myoglobin. Biosensors and Bioelectronics, 2016, 80, 532-537.	10.1	62
88	Optical and electrochemical-based nano-aptasensing approaches for the detection of circulating tumor cells (CTCs). Biosensors and Bioelectronics, 2020, 148, 111833.	10.1	62
89	Design and fabrication of an aptasensor for chloramphenicol based on energy transfer of CdTe quantum dots to graphene oxide sheet. Materials Science and Engineering C, 2015, 48, 611-619.	7.3	61
90	Targeted rod-shaped mesoporous silica nanoparticles for the co-delivery of camptothecin and survivin shRNA in to colon adenocarcinoma in vitro and in vivo. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 156, 84-96.	4.3	61

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91	Two dimension (2-D) graphene-based nanomaterials as signal amplification elements in electrochemical microfluidic immune-devices: Recent advances. Materials Science and Engineering C, 2016, 68, 482-493.	7.3	60
92	Triple-helix molecular switch-based aptasensors and DNA sensors. Biosensors and Bioelectronics, 2018, 111, 1-9.	10.1	60
93	Antinociceptive, anti-inflammatory and acute toxicity effects of Zhumeria majdae extracts in mice and rats. Phytomedicine, 2002, 9, 135-141.	5.3	59
94	Extensive preclinical investigation of polymersomal formulation of doxorubicin versus Doxil-mimic formulation. Journal of Controlled Release, 2017, 264, 228-236.	9.9	59
95	MUC1 aptamer-targeted DNA micelles for dual tumor therapy using doxorubicin and KLA peptide. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 685-697.	3.3	58
96	A novel electrochemical aptasensor for detection of aflatoxin M1 based on target-induced immobilization of gold nanoparticles on the surface of electrode. Biosensors and Bioelectronics, 2018, 117, 487-492.	10.1	58
97	Fabrication of acetylated carboxymethylcellulose coated hollow mesoporous silica hybrid nanoparticles for nucleolin targeted delivery to colon adenocarcinoma. Carbohydrate Polymers, 2018, 197, 157-166.	10.2	58
98	Selection of specific aptamer against enrofloxacin and fabrication of graphene oxide based label-free fluorescent assay. Analytical Biochemistry, 2018, 549, 124-129.	2.4	57
99	Self-assembled polymeric vesicles: Focus on polymersomes in cancer treatment. Journal of Controlled Release, 2021, 330, 502-528.	9.9	57
100	Targeted co-delivery of epirubicin and NAS-24 aptamer to cancer cells using selenium nanoparticles for enhancing tumor response inÂvitro and inÂvivo. Cancer Letters, 2018, 416, 87-93.	7.2	56
101	Comparative evaluation of polymersome versus micelle structures as vehicles for the controlled release of drugs. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	55
102	A new amplified fluorescent aptasensor based on hairpin structure of G-quadruplex oligonucleotide-Aptamer chimera and silica nanoparticles for sensitive detection of aflatoxin B1 in the grape juice. Food Chemistry, 2018, 268, 342-346.	8.2	55
103	Development of an eco-friendly fluorescence nanosensor based on molecularly imprinted polymer on silica-carbon quantum dot for the rapid indoxacarb detection. Food Chemistry, 2021, 339, 127920.	8.2	55
104	Aptamers as smart ligands for nano-carriers targeting. TrAC - Trends in Analytical Chemistry, 2016, 82, 316-327.	11.4	54
105	Colorimetric aptamer based assay for the determination of fluoroquinolones by triggering the reduction-catalyzing activity of gold nanoparticles. Mikrochimica Acta, 2017, 184, 2039-2045.	5.0	54
106	Synthesis of multimodal polymersomes for targeted drug delivery and MR/fluorescence imaging in metastatic breast cancer model. International Journal of Pharmaceutics, 2020, 578, 119091.	5.2	54
107	Development and characterization of DNA aptamers against florfenicol: Fabrication of a sensitive fluorescent aptasensor for specific detection of florfenicol in milk. Talanta, 2018, 182, 193-201.	5.5	53
108	Exosomes derived from TRAIL-engineered mesenchymal stem cells with effective anti-tumor activity in a mouse melanoma model. International Journal of Pharmaceutics, 2018, 549, 218-229.	5.2	53

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109	Antinociceptive effects of Zataria multiflora Boiss fractions in mice. Journal of Ethnopharmacology, 2004, 91, 167-170.	4.1	52
110	Protective effects of lycopene and tomato extract against doxorubicin-induced cardiotoxicity. Phytotherapy Research, 2005, 19, 912-914.	5.8	52
111	Evaluation of anti-cancer activity of PLGA nanoparticles containing crocetin. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 955-960.	2.8	52
112	A novel fluorescent aptasensor for ultrasensitive detection of microcystin-LR based on single-walled carbon nanotubes and dapoxyl. Talanta, 2017, 166, 187-192.	5.5	52
113	Siderophore-based biosensors and nanosensors; new approach on the development of diagnostic systems. Biosensors and Bioelectronics, 2018, 117, 1-14.	10.1	52
114	A novel electrochemical sensor for bisphenol A detection based on nontarget-induced extension of aptamer length and formation of a physical barrier. Biosensors and Bioelectronics, 2018, 119, 204-208.	10.1	52
115	Soybean Charcoal Rot Disease Fungus Macrophomina phaseolina in Mississippi Produces the Phytotoxin (â˜')-Botryodiplodin but No Detectable Phaseolinone. Journal of Natural Products, 2007, 70, 128-129.	3.0	50
116	Ultrasensitive detection of lead (II) based on fluorescent aptamer-functionalized carbon nanotubes. Environmental Toxicology and Pharmacology, 2014, 37, 1236-1242.	4.0	50
117	An ultrasensitive electrochemical sensor for 17Î²-estradiol using split aptamers. Analytica Chimica Acta, 2019, 1065, 107-112.	5.4	50
118	A novel electrochemical aptasensor for ochratoxin a sensing in spiked food using strand-displacement polymerase reaction. Talanta, 2021, 223, 121705.	5.5	50
119	Targeted MMP-2 responsive chimeric polymersomes for therapy against colorectal cancer. Colloids and Surfaces B: Biointerfaces, 2020, 193, 111135.	5.0	50
120	Study and evaluation of nucleolin-targeted delivery of magnetic PLGA-PEG nanospheres loaded with doxorubicin to C6 glioma cells compared with low nucleolin-expressing L929 cells. Materials Science and Engineering C, 2017, 72, 123-133.	7.3	48
121	Detection of food-born allergens with aptamer-based biosensors. TrAC - Trends in Analytical Chemistry, 2018, 103, 126-136.	11.4	48
122	A novel colorimetric aptasensor for ultrasensitive detection of aflatoxin M1 based on the combination of CRISPR-Cas12a, rolling circle amplification and catalytic activity of gold nanoparticles. Analytica Chimica Acta, 2021, 1165, 338549.	5.4	48
123	The effect of cationic charge density change on transfection efficiency of polyethylenimine. Iranian Journal of Basic Medical Sciences, 2013, 16, 150-6.	1.0	47
124	Aptamer based fluorometric acetamiprid assay using three kinds of nanoparticles for powerful signal amplification. Mikrochimica Acta, 2017, 184, 81-90.	5.0	46
125	Synthesis of block copolymers used in polymersome fabrication: Application in drug delivery. Journal of Controlled Release, 2022, 341, 95-117.	9.9	46
126	Antinociceptive effect of Elaeagnus angustifolia fruit seeds in mice. FÃ¬toterapÃ¬Ã¢, 2001, 72, 255-262.	2.2	45

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127	Acute toxicity of functionalized single wall carbon nanotubes: A biochemical, histopathologic and proteomics approach. Chemico-Biological Interactions, 2017, 275, 196-209.	4.0	45
128	A colorimetricÂgold nanoparticle aggregation assay for malathion based on target-induced hairpin structure assembly of complementary strands of aptamer. Mikrochimica Acta, 2018, 185, 216.	5.0	45
129	Hybrid Vesicular Drug Delivery Systems for Cancer Therapeutics. Advanced Functional Materials, 2018, 28, 1802136.	14.9	45
130	Synthesis of hyaluronic acid-based polymersomes for doxorubicin delivery to metastatic breast cancer. International Journal of Pharmaceutics, 2019, 572, 118835.	5.2	45
131	Cancer immunotherapy via nucleic acid aptamers. International Immunopharmacology, 2015, 29, 926-936.	3.8	44
132	Graphene oxideâ€“cationic polymer conjugates: Synthesis and application as gene delivery vectors. Plasmid, 2016, 84-85, 51-60.	1.4	44
133	Graphene as multifunctional delivery platform in cancer therapy. Journal of Biomedical Materials Research - Part A, 2017, 105, 2355-2367.	4.0	44
134	New cyclodextrin-based nanocarriers for drug delivery and phototherapy using an irinotecan metabolite. Carbohydrate Polymers, 2018, 194, 103-110.	10.2	44
135	Co-delivery of doxorubicin and TRAIL plasmid by modified PAMAM dendrimer in colon cancer cells, in vitro and in vivo evaluation. Drug Development and Industrial Pharmacy, 2019, 45, 1931-1939.	2.0	44
136	An electrochemical sensing platform based on ladder-shaped DNA structure and label-free aptamer for ultrasensitive detection of ampicillin. Biosensors and Bioelectronics, 2019, 133, 230-235.	10.1	44
137	Optical and electrochemical aptasensors for the detection of amphenicols. Biosensors and Bioelectronics, 2018, 118, 137-152.	10.1	43
138	A novel MUC1 aptamer-modified PLGA-epirubicin-PÎ²AE-antimir-21 nanocomplex platform for targeted co-delivery of anticancer agents in vitro and in vivo. Colloids and Surfaces B: Biointerfaces, 2019, 175, 231-238.	5.0	43
139	Colorimetric and ratiometric aggregation assay for streptomycin using gold nanoparticles and a new and highly specific aptamer. Mikrochimica Acta, 2016, 183, 1687-1697.	5.0	42
140	Efficient megalin targeted delivery to renal proximal tubular cells mediated by modified-polymyxin B-polyethylenimine based nano-gene-carriers. Materials Science and Engineering C, 2017, 79, 770-782.	7.3	42
141	Cellular delivery of shRNA using aptamer-conjugated PLL-alkyl-PEI nanoparticles. Colloids and Surfaces B: Biointerfaces, 2015, 136, 355-364.	5.0	41
142	Preparation and characterization of uniform-sized PLGA nanospheres encapsulated with oleic acid-coated magnetic-Fe 3 O 4 nanoparticles for simultaneous diagnostic and therapeutic applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 514, 146-154.	4.7	41
143	Targeted delivery of doxorubicin to cancer cells by a cruciform DNA nanostructure composed of AS1411 and FOXM1 aptamers. Expert Opinion on Drug Delivery, 2018, 15, 1045-1052.	5.0	41
144	Co-delivery of doxorubicin and aptamer against Forkhead box M1 using chitosan-gold nanoparticles coated with nucleolin aptamer for synergistic treatment of cancer cells. Carbohydrate Polymers, 2020, 248, 116735.	10.2	41

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145	Detection of kanamycin by using an aptamer-based biosensor using silica nanoparticles. Analytical Methods, 2015, 7, 8611-8616.	2.7	40
146	Targeted Delivery of Epirubicin to Cancer Cells by Polyvalent Aptamer System in vitro and in vivo. Pharmaceutical Research, 2016, 33, 2289-2297.	3.5	40
147	Co-delivery of Dual Toll-Like Receptor Agonists and Antigen in Poly(Lactic-Co-Glycolic) Acid/Polyethylenimine Cationic Hybrid Nanoparticles Promote Efficient In Vivo Immune Responses. Frontiers in Immunology, 2017, 8, 1077.	4.8	40
148	An ultrasensitive electrochemical sensing method for detection of microcystin-LR based on infinity-shaped DNA structure using double aptamer and terminal deoxynucleotidyl transferase. Biosensors and Bioelectronics, 2019, 144, 111674.	10.1	40
149	Oral delivery of folate-targeted resveratrol-loaded nanoparticles for inflammatory bowel disease therapy in rats. Life Sciences, 2020, 262, 118555.	4.3	40
150	Antioxidant Effects of Statins by Modulating Nrf2 and Nrf2/HO-1 Signaling in Different Diseases. Journal of Clinical Medicine, 2022, 11, 1313.	2.4	40
151	Targeted delivery of Epirubicin to cancer cells by PEGylated A10 aptamer. Journal of Drug Targeting, 2013, 21, 739-744.	4.4	39
152	Co-delivery of Doxorubicin Encapsulated PLGA Nanoparticles and Bcl-xL shRNA Using Alkyl-Modified PEI into Breast Cancer Cells. Applied Biochemistry and Biotechnology, 2017, 183, 126-136.	2.9	39
153	Electrochemical aptamer based assay for the neonicotinoid insecticide acetamiprid based on the use of an unmodified gold electrode. Mikrochimica Acta, 2017, 184, 499-505.	5.0	39
154	A new chemotherapy agent-free theranostic system composed of graphene oxide nano-complex and aptamers for treatment of cancer cells. International Journal of Pharmaceutics, 2017, 526, 391-399.	5.2	39
155	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. Sensors and Actuators B: Chemical, 2018, 256, 472-478.	7.8	39
156	Hybrid carbon-based materials for gene delivery in cancer therapy. Journal of Controlled Release, 2020, 318, 158-175.	9.9	39
157	A novel fluorescent aptasensor for selective and sensitive detection of digoxin based on silica nanoparticles. Analytical Methods, 2015, 7, 3814-3818.	2.7	38
158	Fluorometric aptasensing of the neonicotinoid insecticide acetamiprid by using multiple complementary strands and gold nanoparticles. Mikrochimica Acta, 2018, 185, 272.	5.0	38
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