

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	Effect of immobilization, mutation, and microbial stresses on increasing production efficiency of β -Cyclosporin A. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 4441-4456.	4.6	1
2	Porphyrin-based metal-organic frameworks: focus on diagnostic and therapeutic applications. <i>Journal of Nanostructure in Chemistry</i> , 2024, 14, 167-208.	9.1	0
3	Smac peptide and doxorubicin-encapsulated nanoparticles: design, preparation, computational molecular approach and <i>in vitro</i> studies on cancer cells. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 807-819.	3.5	8
4	Fabrication of anionic dextran-coated micelles for aptamer targeted delivery of camptothecin and survivin-shRNA to colon adenocarcinoma. <i>Gene Therapy</i> , 2022, 29, 55-68.	4.5	24
5	A simple and ultrasensitive metal-organic framework-based aptasensor for fluorescence detection of ethanalamine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 267, 120488.	3.9	10
6	Synthesis of block copolymers used in polymersome fabrication: Application in drug delivery. <i>Journal of Controlled Release</i> , 2022, 341, 95-117.	9.9	46
7	Optical and Electrochemical Aptasensors for Sensitive Detection of Aflatoxin B1 and Aflatoxin M1 in Blood Serum, Grape Juice, and Milk Samples. <i>Methods in Molecular Biology</i> , 2022, 2393, 417-436.	0.9	5
8	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> , 2022, 611, 121346.	5.2	16
9	Design and assessment of novel synthetic peptides to inhibit quorum sensing-dependent biofilm formation in <i>Pseudomonas aeruginosa</i> . <i>Biofouling</i> , 2022, 38, 131-146.	2.2	5
10	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.	5.5	21
11	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.	8.2	17
12	Silica-polymer hybrid nanoparticles for drug delivery and bioimaging. , 2022, , 227-243.		0
13	Antioxidant Effects of Statins by Modulating Nrf2 and Nrf2/HO-1 Signaling in Different Diseases. <i>Journal of Clinical Medicine</i> , 2022, 11, 1313.	2.4	40
14	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.	3.0	0
15	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.	4.4	7
16	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.	3.0	11
17	Targeted Delivery Platforms for the Treatment of Multiple Sclerosis. <i>Molecular Pharmaceutics</i> , 2022, 19, 1952-1976.	4.6	5
18	Recent progress in the early detection of cancer based on CD44 biomarker; nano-biosensing approaches. <i>Life Sciences</i> , 2022, 300, 120593.	4.3	20

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19	Synthesis of a targeted, dual pH and redox-responsive nanoscale coordination polymer theranostic against metastatic breast cancer <i>in vitro</i> and <i>in vivo</i>. Expert Opinion on Drug Delivery, 2022, 19, 743-754.	5.0	8
20	Dual-targeted and controlled release delivery of doxorubicin to breast adenocarcinoma: In vitro and in vivo studies. International Journal of Pharmaceutics, 2022, 623, 121892.	5.2	5
21	CRISPR/Cas-engineered technology: Innovative approach for biosensor development. Biosensors and Bioelectronics, 2022, 214, 114501.	10.1	27
22	Synthesis of manganese-incorporated polycap lactone-poly (glyceryl methacrylate) theranostic smart hybrid polymersomes for efficient colon adenocarcinoma treatment. International Journal of Pharmaceutics, 2022, 623, 121963.	5.2	6
23	Association between Oxidative Burden and Restenosis: A Case-Control Study. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-10.	4.0	3
24	Silica-Quantum Dot Nanomaterials as a Versatile Sensing Platform. Critical Reviews in Analytical Chemistry, 2021, 51, 1-22.	3.5	16
25	Five new complexes with deferiprone and N,N-donor ligands: evaluation of cytotoxicity against breast cancer MCF-7 cell line and HSA-binding determination. Journal of Biomolecular Structure and Dynamics, 2021, 39, 4845-4858.	3.5	4
26	Fabrication of deferasirox-decorated aptamer-targeted superparamagnetic iron oxide nanoparticles (SPION) as a therapeutic and magnetic resonance imaging agent in cancer therapy. Journal of Biological Inorganic Chemistry, 2021, 26, 29-41.	2.6	16
27	A fluorescent sensing strategy for ultrasensitive detection of oxytetracycline in milk based on aptamer-magnetic bead conjugate, complementary strand of aptamer and PicoGreen. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 246, 119009.	3.9	25
28	A novel electrochemical aptasensor for ochratoxin a sensing in spiked food using strand-displacement polymerase reaction. Talanta, 2021, 223, 121705.	5.5	50
29	An electrochemical sensing method based on an oligonucleotide structure for ultrasensitive detection of malachite green. Microchemical Journal, 2021, 160, 105598.	4.5	12
30	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
31	Ladder-like targeted and gated doxorubicin delivery using bivalent aptamer in vitro and in vivo. Materials Science and Engineering C, 2021, 119, 111618.	7.3	7
32	An optical aptasensor for aflatoxin M1 detection based on target-induced protection of gold nanoparticles against salt-induced aggregation and silica nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 246, 119062.	3.9	21
33	Self-assembled polymeric vesicles: Focus on polymersomes in cancer treatment. Journal of Controlled Release, 2021, 330, 502-528.	9.9	57
34	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. Microchemical Journal, 2021, 160, 105657.	4.5	17
35	Three novel complexes of copper: synthesis, characterization, crystal structure, HSA-binding and docking studies, and antiproliferative activity. Journal of the Iranian Chemical Society, 2021, 18, 765-783.	2.2	6
36	Targeted delivery and controlled release of doxorubicin to cancer cells by smart ATP-responsive Y-shaped DNA structure-capped mesoporous silica nanoparticles. Journal of Materials Chemistry B, 2021, 9, 1351-1363.	5.8	36

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37	Association of Sociodemographic, Obstetric, and Attitudinal Factors with Prenatal Ultrasound in Mashhad, Iran. <i>Journal of Child Science</i> , 2021, 11, e222-e226.	0.2	0
38	Principal concept in PEGylated dendrimer-based cancer therapeutics. , 2021, , 183-202.		0
39	Smart metal organic frameworks: focus on cancer treatment. <i>Biomaterials Science</i> , 2021, 9, 1503-1529.	5.4	34
40	Crosstalk between MMP-13, CD44, and TWIST1 and its role in regulation of EMT in patients with esophageal squamous cell carcinoma. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 2465-2478.	3.1	12
41	CRISPR-cas9 genome editing delivery systems for targeted cancer therapy. <i>Life Sciences</i> , 2021, 267, 118969.	4.3	31
42	Numerical Analysis WSGD Scheme for One- and Two-Dimensional Distributed Order Fractional Reaction-Diffusion Equation with Collocation Method via Fractional B-Spline. <i>International Journal of Applied and Computational Mathematics</i> , 2021, 7, 1.	1.6	1
43	Aptamer-based ATP-responsive delivery systems for cancer diagnosis and treatment. <i>Acta Biomaterialia</i> , 2021, 123, 110-122.	8.3	38
44	Synthesis, Characterization and Application of β , γ , and δ Cyclodextrin-Conjugated Graphene Oxide for Removing Cadmium Ions from Aqueous Media. <i>Journal of Polymers and the Environment</i> , 2021, 29, 3161-3173.	5.0	11
45	Clinical features and disease severity in an Iranian population of inpatients with COVID-19. <i>Scientific Reports</i> , 2021, 11, 8731.	3.3	8
46	Ultrasensitive detection of micrococcal nuclease activity and <i>Staphylococcus aureus</i> contamination using optical biosensor technology-A review. <i>Talanta</i> , 2021, 226, 122168.	5.5	21
47	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.	7.8	21
48	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.	5.0	20
49	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.	3.3	22
50	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. <i>Analytica Chimica Acta</i> , 2021, 1165, 338549.	5.4	48
51	Self-targeted polymeric 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.	9.9	30
52	Metal-polymer-coordinated complexes as potential nanovehicles for drug delivery. <i>Journal of Nanostructure in Chemistry</i> , 2021, 11, 501-526.	9.1	21
53	Docetaxel encapsulation in nanoscale assembly micelles of folate-PEG-docetaxel conjugates for targeted fighting against metastatic breast cancer in vitro and in vivo. <i>International Journal of Pharmaceutics</i> , 2021, 605, 120822.	5.2	17
54	Application of the catalytic activity of gold nanoparticles for development of optical aptasensors. <i>Analytical Biochemistry</i> , 2021, 629, 114307.	2.4	22

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55	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.	3.9	21
56	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.	4.4	26
57	Development of a stable and high loaded liposomal formulation of lapatinib with enhanced therapeutic effects for breast cancer in combination with Caelyx®: In vitro and in vivo evaluations. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 207, 112012.	5.0	4
58	Theranostic nanobubbles towards smart nanomedicines. <i>Journal of Controlled Release</i> , 2021, 339, 164-194.	9.9	22
59	Recent achievements and advances in optical and electrochemical aptasensing detection of ATP based on quantum dots. <i>Talanta</i> , 2021, 235, 122753.	5.5	14
60	A bivalent binding aptamer-cDNA on MoS ₂ nanosheets based fluorescent aptasensor for detection of aflatoxin M ₁ . <i>Talanta</i> , 2021, 235, 122779.	5.5	13
61	Self-assembly of an aptamer-decorated chimeric peptide nanocarrier for targeted cancer gene delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 208, 112047.	5.0	18
62	Enhanced anticancer efficacy of docetaxel through galbanic acid encapsulated into PLA-PEG nanoparticles in treatment of colon cancer, in vitro and in vivo study. <i>Journal of Bioactive and Compatible Polymers</i> , 2021, 36, 520-530.	2.1	2
63	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.	7.3	11
64	Synthesis of a Therapeutic Amphiphilic Copolymer of SN38 via RAFT Polymerization and Its Self-Assembly to Peptomicelles for Fighting against Colon Adenocarcinoma. <i>ACS Applied Polymer Materials</i> , 2021, 3, 6252-6264.	4.4	3
65	Evaluation of Oxidative Stress Status in Familial Hypercholesterolemia. <i>Journal of Clinical Medicine</i> , 2021, 10, 5867.	2.4	15
66	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.	4.1	36
67	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.	2.8	9
68	Designing a multifunctional staphylokinase variant (SAK-2RGD-TTI) with appropriate thrombolytic activity in vitro. <i>Biotechnology Letters</i> , 2020, 42, 103-114.	2.2	2
69	PEG-PLA nanoparticles decorated with small molecule PSMA ligand for targeted delivery of galbanic acid and docetaxel to prostate cancer cells. <i>Journal of Cellular Physiology</i> , 2020, 235, 4618-4630.	4.1	34
70	Optical and electrochemical-based nano-aptasensing approaches for the detection of circulating tumor cells (CTCs). <i>Biosensors and Bioelectronics</i> , 2020, 148, 111833.	10.1	62
71	A smart ATP-responsive chemotherapy drug-free delivery system using a DNA nanostructure for synergistic treatment of breast cancer in vitro and in vivo. <i>Journal of Drug Targeting</i> , 2020, 28, 852-859.	4.4	15
72	Na ⁺ /K ⁺ ATPase-targeted delivery to metastatic breast cancer models. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 143, 105207.	4.0	15

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73	Cholesterol-conjugated PEGylated PAMAM as an efficient nanocarrier for plasmid encoding interleukin-12 immunogene delivery toward colon cancer cells. <i>Biotechnology Progress</i> , 2020, 36, e2952.	2.6	22
74	Hybrid carbon-based materials for gene delivery in cancer therapy. <i>Journal of Controlled Release</i> , 2020, 318, 158-175.	9.9	39
75	Therapeutic applications of AS1411 aptamer, an update review. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 1420-1431.	7.5	174
76	Targeted doxorubicin-loaded mesenchymal stem cells-derived exosomes as a versatile platform for fighting against colorectal cancer. <i>Life Sciences</i> , 2020, 261, 118369.	4.3	125
77	Oral delivery of folate-targeted resveratrol-loaded nanoparticles for inflammatory bowel disease therapy in rats. <i>Life Sciences</i> , 2020, 262, 118555.	4.3	40
78	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.	4.3	61
79	Smart self-assembled structures: toward intelligent dual responsive drug delivery systems. <i>Biomaterials Science</i> , 2020, 8, 5787-5803.	5.4	25
80	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.	5.2	19
81	Synthesis, X-ray structure, antiproliferative activity, interaction with HSA and docking studies of three novel mono and binuclear copper complexes containing the maltol ligand. <i>New Journal of Chemistry</i> , 2020, 44, 20101-20114.	2.8	4
82	Marriage of phospholipid and block copolymer in lipopolymerosome hybrid structure for efficient tumor accumulation. <i>International Journal of Pharmaceutics</i> , 2020, 591, 120030.	5.2	4
83	Synthesis, characterization and bioactivity studies of new dithiocarbazate complexes. <i>New Journal of Chemistry</i> , 2020, 44, 8878-8889.	2.8	10
84	Synthesis of chimeric polymersomes 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.	3.3	20
85	Mesenchymal stem cells engineered by modified polyethylenimine polymer for targeted cancer gene therapy, in vitro and in vivo. <i>Biotechnology Progress</i> , 2020, 36, e3025.	2.6	19
86	Co-delivery of doxorubicin and β -PCNA aptamer using AS1411-modified pH-responsive nanoparticles for cancer synergistic therapy. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 58, 101816.	3.0	13
87	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.	3.0	16
88	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.	10.2	41
89	Nanosensors for water safety. , 2020, , 285-301.		2
90	Application of nanosensors for food safety. , 2020, , 369-386.		7

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91	Recent advances in nanotechnology-based drug delivery systems for the kidney. <i>Journal of Controlled Release</i> , 2020, 321, 442-462.	9.9	110
92	Sensors design based on hybrid gold-silica nanostructures. <i>Biosensors and Bioelectronics</i> , 2020, 153, 112054.	10.1	25
93	Synthesis of multimodal polymersomes for targeted drug delivery and MR/fluorescence imaging in metastatic breast cancer model. <i>International Journal of Pharmaceutics</i> , 2020, 578, 119091.	5.2	54
94	A DNA triangular prism-based fluorescent aptasensor for ultrasensitive detection of prostate-specific antigen. <i>Analytica Chimica Acta</i> , 2020, 1120, 36-42.	5.4	15
95	Targeted MMP-2 responsive chimeric polymersomes for therapy against colorectal cancer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 193, 111135.	5.0	50
96	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.	2.0	11
97	Nanoparticles Application for Cancer Diagnosis. <i>Environmental Chemistry for A Sustainable World</i> , 2020, , 25-52.	0.5	0
98	A novel formulation of Mtb72F DNA vaccine for immunization against tuberculosis. <i>Iranian Journal of Basic Medical Sciences</i> , 2020, 23, 826-832.	1.0	0
99	Enzyme responsive drug delivery systems in cancer treatment. <i>Journal of Controlled Release</i> , 2019, 308, 172-189.	9.9	232
100	Smart Polymersomes as Intelligent Nanomedicines in Cancer Treatment. , 2019, , 343-371.		8
101	Co-delivery of doxorubicin and TRAIL plasmid by modified PAMAM dendrimer in colon cancer cells, <i>in vitro</i> and <i>in vivo</i> evaluation. <i>Drug Development and Industrial Pharmacy</i> , 2019, 45, 1931-1939.	2.0	44
102	Synthesis of hyaluronic acid-based polymersomes for doxorubicin delivery to metastatic breast cancer. <i>International Journal of Pharmaceutics</i> , 2019, 572, 118835.	5.2	45
103	DNA origami-based aptasensors. <i>Biosensors and Bioelectronics</i> , 2019, 143, 111662.	10.1	26
104	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.	5.2	38
105	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.	10.1	40
106	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.	5.5	35
107	Numerical analysis nonlinear multi-term time fractional differential equation with collocation method via fractional B-spline. <i>Mathematical Methods in the Applied Sciences</i> , 2019, 42, 4640-4663.	2.3	3
108	ABCG2 aptamer selectively delivers doxorubicin to drug-resistant breast cancer cells. <i>Journal of Biosciences</i> , 2019, 44, 1.	1.1	17

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109	Comparison of expression optimization of new derivative of staphylokinase (SAK- α 2RGD-TI) with the rSAK. <i>Biotechnology Progress</i> , 2019, 35, e2819.	2.6	2
110	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.	10.1	44
111	Correlation between expression of CatSper1,2 and sperm parameters in the gamma irradiated adult mouse testis. <i>International Journal of Radiation Biology</i> , 2019, 95, 691-696.	1.8	4
112	An ultrasensitive electrochemical sensor for 17 β -estradiol using split aptamers. <i>Analytica Chimica Acta</i> , 2019, 1065, 107-112.	5.4	50
113	Targeted delivery of tacrolimus to T cells by pH-responsive aptamer-chitosan-poly(lactic-co-glycolic) Tj ETQq1 1 0.784314 rgBT	4.1	16
114	Graphene-Based Hybrid Nanomaterials for Biomedical Applications. , 2019, , 119-141.		13
115	High affinity of AS1411 toward copper; its application in a sensitive aptasensor for copper detection. <i>Analytical Biochemistry</i> , 2019, 575, 1-9.	2.4	22
116	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.	9.9	93
117	Design, Synthesis, and In Vitro Evaluation of Low Molecular Weight Protamine (LMWP)-Based Amphiphilic Conjugates as Gene Delivery Carriers. <i>AAPS PharmSciTech</i> , 2019, 20, 111.	3.3	22
118	Exosomes, new biomarkers in early cancer detection. <i>Analytical Biochemistry</i> , 2019, 571, 1-13.	2.4	103
119	DNA G-quadruplexes binding and antitumor activity of palladium aryl oxime ligand complexes encapsulated in either albumin or algal cellulose nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 176, 70-79.	5.0	13
120	Smart aptamer-modified calcium carbonate nanoparticles for controlled release and targeted delivery of epirubicin and melittin into cancer cells <i>in vitro</i> and <i>in vivo</i> . <i>Drug Development and Industrial Pharmacy</i> , 2019, 45, 603-610.	2.0	34
121	Aptasensors as a new sensing technology developed for the detection of MUC1 mucin: A review. <i>Biosensors and Bioelectronics</i> , 2019, 130, 1-19.	10.1	103
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.	5.5	21
123	Formulation and evaluation of anticancer and antiangiogenesis efficiency of PLA-PEG nanoparticles loaded with galbanic acid in C26 colon carcinoma, <i>in vitro</i> and <i>in vivo</i> . <i>Journal of Cellular Physiology</i> , 2019, 234, 6099-6107.	4.1	23
124	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.	7.8	31
125	A novel MUC1 aptamer-modified PLGA-epirubicin-P β AE-antimir-21 nanocomplex platform for targeted co-delivery of anticancer agents <i>in vitro</i> and <i>in vivo</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 175, 231-238.	5.0	43
126	A novel electrochemical aptasensor based on nontarget-induced high accumulation of methylene blue on the surface of electrode for sensing of I β -synuclein oligomer. <i>Biosensors and Bioelectronics</i> , 2019, 123, 14-18.	10.1	75

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127	Charge reduction: an efficient strategy to reduce toxicity and increase the transfection efficiency of high molecular weight polyethylenimine. <i>Journal of Pharmaceutical Investigation</i> , 2019, 49, 105-114.	5.3	7
128	The Role of Interleukin-4 and 13 Gene Polymorphisms in Allergic Rhinitis: A Case Control Study. <i>Reports of Biochemistry and Molecular Biology</i> , 2019, 8, 111-118.	1.4	10
129	Study of Multifunctional PLGA-SPION Nanoparticles Loaded with Gemcitabine as Radiosensitizer Used in Radiotherapy. <i>Iranian Journal of Pharmaceutical Research</i> , 2019, 18, 1694-1703.	0.5	3
130	ABCG2 aptamer selectively delivers doxorubicin to drug-resistant breast cancer cells. <i>Journal of Biosciences</i> , 2019, 44, .	1.1	2
131	CD133-targeted delivery of self-assembled PEGylated carboxymethylcellulose-SN38 nanoparticles to colorectal cancer. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1159-1169.	2.8	31
132	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.	5.4	36
133	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.	4.6	69
134	Detection of food-born allergens with aptamer-based biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 103, 126-136.	11.4	48
135	A Novel Electrochemical Aptasensor for Carcinoembryonic Antigen Detection Based on Target-Induced Bridge Assembly. <i>Electroanalysis</i> , 2018, 30, 1734-1739.	2.9	16
136	Triple-helix molecular switch-based aptasensors and DNA sensors. <i>Biosensors and Bioelectronics</i> , 2018, 111, 1-9.	10.1	60
137	Synthesis and evaluation of apoptosis induction levels of carbamate- and thiocarbamate-functionalized multi-walled carbon nanotubes. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 1097-1106.	2.2	2
138	Micro and nanotechnologies for bone regeneration: Recent advances and emerging designs. <i>Journal of Controlled Release</i> , 2018, 274, 35-55.	9.9	68
139	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.	5.5	53
140	Electrochemical and optical aptamer-based sensors for detection of tetracyclines. <i>Trends in Food Science and Technology</i> , 2018, 73, 45-57.	15.1	113
141	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.	5.0	29
142	An integrated structure- and pharmacophore-based MMP-12 virtual screening. <i>Molecular Diversity</i> , 2018, 22, 383-395.	3.9	9
143	Evaluation of Efficiency of Modified Polypropylenimine (PPI) with Alkyl Chains as Non-viral Vectors Used in Co-delivery of Doxorubicin and TRAIL Plasmid. <i>AAPS PharmSciTech</i> , 2018, 19, 1029-1036.	3.3	7
144	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.	7.2	56

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