

Khalil Abnous

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.

371
papers

10,899
citations

58
h-index

77
g-index

385
ext. papers

13,216
ext. citations

5.7
avg, IF

6.98
L-index

#	Paper	IF	Citations
371	Smart delivery of epirubicin to cancer cells using aptamer-modified ferritin nanoparticles.. <i>Journal of Drug Targeting</i> , 2022 , 1-12	5.4	2
370	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
369	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
368	Current progress in aptamer-based sensing tools for ultra-low level monitoring of Alzheimer® disease biomarkers. <i>Biosensors and Bioelectronics</i> , 2022 , 197, 113789	11.8	4
367	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
366	Development of novel aptasensor for ultra-sensitive detection of myoglobin via electrochemical signal amplification of methylene blue using poly (styrene)-block-poly (acrylic acid) amphiphilic copolymer. <i>Talanta</i> , 2022 , 237, 122950	6.2	1
365	Aptamer-Based Sensors for Drug Analysis 2022 , 65-88		
364	Quantum Dot Nanomaterials as the Aptasensing Platforms. <i>Materials Horizons</i> , 2022 , 61-81	0.6	
363	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	
362	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
361	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
360	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
359	Recent progress in the early detection of cancer based on CD44 biomarker; nano-biosensing approaches.. <i>Life Sciences</i> , 2022 , 120593	6.8	3
358	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
357	Silica-Quantum Dot Nanomaterials as a Versatile Sensing Platform. <i>Critical Reviews in Analytical Chemistry</i> , 2021 , 51, 687-708	5.2	11
356	Protective Effect of Crocin on Malathion-induced Cardiotoxicity in Rats: A Biochemical, Histopathological and Proteomics Study. <i>Iranian Journal of Pharmaceutical Research</i> , 2021 , 20, 156-172	1.1	
355	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

354	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
353	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
352	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
351	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
350	Aptamer-based ATP-responsive delivery systems for cancer diagnosis and treatment. <i>Acta Biomaterialia</i> , 2021 , 123, 110-122	10.8	16
349	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
348	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
347	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
346	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
345	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
344	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
343	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
342	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
341	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
340	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
339	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
338	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
337	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

- 336 5A Adenosine monophosphate deaminase regulation in ground squirrels during hibernation. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2021**, 253, 110543 2.3 0
- 335 Self-assembled polymeric vesicles: Focus on polymersomes in cancer treatment. *Journal of Controlled Release*, **2021**, 330, 502-528 11.7 20
- 334 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 4.8 6
- 333 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 7.3 9
- 332 Smart metal organic frameworks: focus on cancer treatment. *Biomaterials Science*, **2021**, 9, 1503-1529 7.4 11
- 331 Fabrication of anionic dextran-coated micelles for aptamer targeted delivery of camptothecin and survivin-shRNA to colon adenocarcinoma. *Gene Therapy*, **2021**, 4 8
- 330 Identification and Immunological Characterization of Somatic Proteins from Adults of by Proteomics Technique. *Iranian Journal of Parasitology*, **2021**, 16, 23-31 0.8
- 329 CRISPR-cas9 genome editing delivery systems for targeted cancer therapy. *Life Sciences*, **2021**, 267, 118969 9
- 328 Targeted delivery system using silica nanoparticles coated with chitosan and AS1411 for combination therapy of doxorubicin and anti-miR-21. *Carbohydrate Polymers*, **2021**, 266, 118111 10.3 8
- 327 Application of the catalytic activity of gold nanoparticles for development of optical aptasensors. *Analytical Biochemistry*, **2021**, 629, 114307 3.1 3
- 326 Recent applications of quantum dots in optical and electrochemical aptasensing detection of Lysozyme. *Analytical Biochemistry*, **2021**, 630, 114334 3.1 3
- 325 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. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 259, 119840 4.4 6
- 324 Aptamer targeted red blood cell membrane-coated porphyrinic copper-based MOF for guided photochemotherapy against metastatic breast cancer. *Microporous and Mesoporous Materials*, **2021**, 325, 111337 5.3 4
- 323 Theranostic nanobubbles towards smart nanomedicines. *Journal of Controlled Release*, **2021**, 339, 164-194.7 5
- 322 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. *Biosensors and Bioelectronics*, **2021**, 191, 113457 11.8 10
- 321 Recent achievements and advances in optical and electrochemical aptasensing detection of ATP based on quantum dots. *Talanta*, **2021**, 235, 122753 6.2 2
- 320 A bivalent binding aptamer-cDNA on MoS nanosheets based fluorescent aptasensor for detection of aflatoxin M. *Talanta*, **2021**, 235, 122779 6.2 2
- 319 Design and synthesis of a new magnetic metal organic framework as a versatile platform for immobilization of acidic catalysts and CO₂ fixation reaction. *New Journal of Chemistry*, **2021**, 45, 15405-15414 3.6 4

318	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
317	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
316	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	2.8	11
315	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
314	Co-delivery of doxorubicin and PCNA 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
313	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
312	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
311	Nanosensors for water safety 2020 , 285-301		2
310	Application of nanosensors for food safety 2020 , 369-386		3
309	Sensors design based on hybrid gold-silica nanostructures. <i>Biosensors and Bioelectronics</i> , 2020 , 153, 1120548	11.48	12
308	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
307	Nanoparticles Application for Cancer Diagnosis. <i>Environmental Chemistry for A Sustainable World</i> , 2020 , 25-52	0.8	
306	Comparative proteomics study of proteins involved in induction of higher rates of cell death in mitoxantrone-resistant breast cancer cells MCF-7/MX exposed to TNF- α . <i>Iranian Journal of Basic Medical Sciences</i> , 2020 , 23, 663-672	1.8	1
305	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
304	Protective effect of crocin on bisphenol A - induced spatial learning and memory impairment in adult male rats: Role of oxidative stress and AMPA receptor. <i>Iranian Journal of Basic Medical Sciences</i> , 2020 , 23, 1146-1154	1.8	2
303	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
302	Targeted MMP-2 responsive chimeric polymerosomes for therapy against colorectal cancer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 193, 111135	6	21
301	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

300	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 ⁷		15
299	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
298	Na/K ATPase-targeted delivery to metastatic breast cancer models. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 143, 105207	5.1	7
297	Development of an effective liposomal cholesterol ester transfer protein (CETP) vaccine for protecting against atherosclerosis in rabbit model. <i>Pharmaceutical Development and Technology</i> , 2020 , 25, 432-439	3.4	2
296	Hybrid carbon-based materials for gene delivery in cancer therapy. <i>Journal of Controlled Release</i> , 2020 , 318, 158-175	11.7	23
295	Therapeutic applications of AS1411 aptamer, an update review. <i>International Journal of Biological Macromolecules</i> , 2020 , 155, 1420-1431	7.9	68
294	Role of Oxidative Stress, MAPKinase and Apoptosis Pathways in the Protective Effects of Thymoquinone Against Acrylamide-Induced Central Nervous System Toxicity in Rat. <i>Neurochemical Research</i> , 2020 , 45, 254-267	4.6	25
293	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
292	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
291	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
290	"Smart" self-assembled structures: toward intelligent dual responsive drug delivery systems. <i>Biomaterials Science</i> , 2020 , 8, 5787-5803	7.4	11
289	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
288	Alteration of protein profile in cerebral cortex of rats exposed to bisphenol a: a proteomics study. <i>NeuroToxicology</i> , 2020 , 78, 1-10	4.4	8
287	Design and synthesis of aptamer AS1411-conjugated EG@TiO ₂ @Fe ₂ O ₃ nanoparticles as a drug delivery platform for tumor-targeted therapy. <i>New Journal of Chemistry</i> , 2020 , 44, 15871-15886	3.6	2
286	Proteomic analysis of soluble protein extract of adult <i>Toxocara cati</i> . <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2020 , 73, 101528	2.6	1
285	Smac peptide and doxorubicin-encapsulated nanoparticles: design, preparation, computational molecular approach and studies on cancer cells. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 1-13	3.6	4
284	Crocic-protected malathion-induced spatial memory deficits by inhibiting TAU protein hyperphosphorylation and antiapoptotic effects. <i>Nutritional Neuroscience</i> , 2020 , 23, 221-236	3.6	22
283	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

282	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
281	Aptamer-Incorporated Nanoparticle Systems for Drug Delivery 2020 , 95-112		1
280	DNA origami-based aptasensors. <i>Biosensors and Bioelectronics</i> , 2019 , 143, 111662	11.8	18
279	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
278	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
277	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
276	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
275	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
274	ABCG2 aptamer selectively delivers doxorubicin to drug-resistant breast cancer cells. <i>Journal of Biosciences</i> , 2019 , 44, 1	2.3	5
273	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
272	An ultrasensitive electrochemical sensor for 17 β -Estradiol using split aptamers. <i>Analytica Chimica Acta</i> , 2019 , 1065, 107-112	6.6	26
271	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
270	Graphene-Based Hybrid Nanomaterials for Biomedical Applications 2019 , 119-141		6
269	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
268	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
267	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
266	Neuroprotective Effects of Thymoquinone in Acrylamide-Induced Peripheral Nervous System Toxicity Through MAPKinase and Apoptosis Pathways in Rat. <i>Neurochemical Research</i> , 2019 , 44, 1101-1112	11.6	33
265	Exosomes, new biomarkers in early cancer detection. <i>Analytical Biochemistry</i> , 2019 , 571, 1-13	3.1	66

264	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
263	Enzyme responsive drug delivery systems in cancer treatment. <i>Journal of Controlled Release</i> , 2019 , 308, 172-189	11.7	108
262	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
261	Synthesis, Characterization and Evaluation of Novel Naphthoquinone Derivatives and Related Imines: Identification of New Anticancer Leads. <i>Iranian Journal of Pharmaceutical Research</i> , 2019 , 18, 16-29	1.1	4
260	Effect of Topiramate on Morphine-induced Conditioned Place Preference (CPP) in Rats: Role of ERK and CREB Proteins in Hippocampus and Cerebral Cortex. <i>Iranian Journal of Pharmaceutical Research</i> , 2019 , 18, 2000-2010	1.1	3
259	The effects of crocin on spatial memory impairment induced by hyoscine: Role of NMDA, AMPA, ERK, and CaMKII proteins in rat hippocampus. <i>Iranian Journal of Basic Medical Sciences</i> , 2019 , 22, 601-609	1.8	14
258	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
257	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
256	Formulation and evaluation of anticancer and antiangiogenesis efficiency of PLA-PEG nanoparticles loaded with galbanic acid in C26 colon carcinoma, in vitro and in vivo. <i>Journal of Cellular Physiology</i> , 2019 , 234, 6099-6107	7	12
255	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
254	Morin Exerts Anti-Diabetic Effects in Human HepG2 Cells Via Down-Regulation of miR-29a. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2019 , 127, 615-622	2.3	8
253	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> , 2019 , 175, 231-238	6	29
252	A novel electrochemical aptasensor based on nontarget-induced high accumulation of methylene blue on the surface of electrode for sensing of β -synuclein oligomer. <i>Biosensors and Bioelectronics</i> , 2019 , 123, 14-18	11.8	47
251	ABCG2 aptamer selectively delivers doxorubicin to drug-resistant breast cancer cells. <i>Journal of Biosciences</i> , 2019 , 44,	2.3	1
250	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
249	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
248	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
247	A Novel Electrochemical Aptasensor for Carcinoembryonic Antigen Detection Based on Target-induced Bridge Assembly. <i>Electroanalysis</i> , 2018 , 30, 1734-1739	3	10

246	Triple-helix molecular switch-based aptasensors and DNA sensors. <i>Biosensors and Bioelectronics</i> , 2018 , 111, 1-9	11.8	44
245	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
244	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
243	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
242	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
241	Proteomics and phosphoproteomics analysis of liver in male rats exposed to bisphenol A: Mechanism of hepatotoxicity and biomarker discovery. <i>Food and Chemical Toxicology</i> , 2018 , 112, 26-38	4.7	25
240	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
239	An optimized protocol for the in vitro generation and functional analysis of human PD1/PD-L1 signal. <i>Journal of Receptor and Signal Transduction Research</i> , 2018 , 38, 31-36	2.6	5
238	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
237	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
236	Gold nanoparticle should understand protein corona for being a clinical nanomaterial. <i>Journal of Controlled Release</i> , 2018 , 272, 39-53	11.7	80
235	Label-free nano-biosensing on the road to tuberculosis detection. <i>Biosensors and Bioelectronics</i> , 2018 , 113, 124-135	11.8	18
234	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
233	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
232	Silica based hybrid materials for drug delivery and bioimaging. <i>Journal of Controlled Release</i> , 2018 , 277, 57-76	11.7	80
231	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
230	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
229	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

228	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
227	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
226	Synthesis of Fe ₂ O ₃ Nanoparticles Capped with Oleic Acid and their Magnetic Characterization 2018 , 42, 1889-1893		6
225	Comparison of Flow Cytometry and ELISA for Screening of Proper Candidate Aptamer in Cell-SELEX Pool. <i>Applied Biochemistry and Biotechnology</i> , 2018 , 184, 444-452	3.2	13
224	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
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