

Taghi Khayamian

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,292
citations

331670

21
h-index

361022

35
g-index

49
all docs

49
docs citations

49
times ranked

1930
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of the interaction between amodiaquine and human serum albumin by fluorescence spectroscopy and molecular modeling. <i>European Journal of Medicinal Chemistry</i> , 2012, 54, 255-263.	5.5	111
2	Combined fluorescence spectroscopy and molecular modeling studies on the interaction between harmalol and human serum albumin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 67-68, 201-208.	2.8	110
3	The piroxicam complex of cobalt(II): Synthesis in two different ionic liquids, structure, DNA- and BSA interaction and molecular modeling. <i>Inorganica Chimica Acta</i> , 2014, 409, 379-389.	2.4	66
4	Design and synthesis of a novel trinuclear palladium(II) complex containing an oxime chelate ligand: determining the interaction mechanism with the DNA groove and BSA site I by spectroscopic and molecular dynamics simulation approaches. <i>New Journal of Chemistry</i> , 2015, 39, 8708-8719.	2.8	66
5	Electrochemical impedimetric immunosensor for insulin like growth factor-1 using specific monoclonal antibody-nanogold modified electrode. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2130-2134.	10.1	52
6	Interaction of norfloxacin with bovine serum albumin studied by different spectrometric methods; displacement studies, molecular modeling and chemometrics approaches. <i>Journal of Luminescence</i> , 2015, 157, 104-112.	3.1	50
7	Immobilization of specific monoclonal antibody on Au nanoparticles for hGH detection by electrochemical impedance spectroscopy. <i>Biosensors and Bioelectronics</i> , 2009, 25, 395-399.	10.1	48
8	Anticodeine aptamer immobilized on a Whatman cellulose paper for thin-film microextraction of codeine from urine followed by electrospray ionization ion mobility spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 1615-1623.	3.7	45
9	Experimental and molecular modeling studies of the interaction of the polypyridyl Fe(II) and Fe(III) complexes with DNA and BSA. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 134, 502-516.	3.9	43
10	Aptasensor based on fluorescence resonance energy transfer for the analysis of adenosine in urine samples of lung cancer patients. <i>Biosensors and Bioelectronics</i> , 2016, 79, 334-340.	10.1	42
11	Synthesis of a novel trinuclear palladium complex: the influence of an oxime chelate ligand on biological evaluation towards double-strand DNA, BSA protein and molecular modeling studies. <i>RSC Advances</i> , 2016, 6, 78424-78435.	3.6	39
12	Aptamer based extraction followed by electrospray ionization-ion mobility spectrometry for analysis of tetracycline in biological fluids. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 925, 26-32.	2.3	37
13	Aptamer-conjugated magnetic nanoparticles for extraction of adenosine from urine followed by electrospray ion mobility spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 107, 244-250.	2.8	36
14	Experimental and molecular modeling studies on the interaction of the Ru(II)-piroxicam with DNA and BSA. <i>European Journal of Medicinal Chemistry</i> , 2013, 69, 577-590.	5.5	35
15	Characterization, photocleavage, molecular modeling, and DNA- and BSA-binding studies of Cu(II) and Ni(II) complexes with the non-steroidal anti-inflammatory drug meloxicam. <i>Inorganica Chimica Acta</i> , 2014, 423, 256-272.	2.4	33
16	Aptamer-modified carbon nanomaterial based sorption coupled to paper spray ion mobility spectrometry for highly sensitive and selective determination of methamphetamine. <i>Mikrochimica Acta</i> , 2018, 185, 103.	5.0	32
17	Polypyridyl Ni(II) complex, [Ni(tppz) ₂] ²⁺ : Structure, DNA- and BSA binding and molecular modeling. <i>Polyhedron</i> , 2013, 65, 16-30.	2.2	30
18	Spectroscopic, biological, and molecular modeling studies on the interactions of [Fe(III)-meloxicam] with G-quadruplex DNA and investigation of its release from bovine serum albumin (BSA) nanoparticles. <i>Journal of Biomolecular Structure and Dynamics</i> , 2015, 33, 2316-2329.	3.5	30

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19	Immobilized aptamer paper spray ionization source for ion mobility spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 132, 232-237.	2.8	29
20	Ingenious pH-sensitive etoposide loaded folic acid decorated mesoporous silica-carbon dot with carboxymethyl- β -cyclodextrin gatekeeper for targeted drug delivery and imaging. <i>Materials Science and Engineering C</i> , 2018, 92, 892-901.	7.3	27
21	Extraction of methocarbamol from human plasma with a polypyrrole/multiwalled carbon nanotubes composite decorated with magnetic nanoparticles as an adsorbent followed by electrospray ionization ion mobility spectrometry detection. <i>Journal of Separation Science</i> , 2014, 37, 3518-3525.	2.5	24
22	A fluorescent aptasensor for analysis of adenosine triphosphate based on aptamer-magnetic nanoparticles and its single-stranded complementary DNA labeled carbon dots. <i>Luminescence</i> , 2018, 33, 640-646.	2.9	23
23	Electrosprayed recovered wool keratin nanoparticles. <i>Polymers for Advanced Technologies</i> , 2014, 25, 1001-1007.	3.2	22
24	A mononuclear zinc(II) complex with piroxicam: Crystal structure, DNA- and BSA-binding studies; in vitro cell cytotoxicity and molecular modeling of oxim complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 1119-1133.	3.9	22
25	Simultaneous determination of trace amounts of vanadium and molybdenum in water and foodstuff samples using adsorptive cathodic stripping voltammetry. <i>International Journal of Food Science and Technology</i> , 2008, 43, 416-422.	2.7	21
26	Docking, molecular dynamics simulation studies, and structure-based QSAR model on cytochrome P450 2A6 inhibitors. <i>Structural Chemistry</i> , 2012, 23, 341-350.	2.0	20
27	Combination of corona discharge ion mobility spectrometry with a novel reagent gas and two immiscible organic solvent liquid-liquid-liquid microextraction for analysis of clomipramine in biological samples. <i>Journal of Chromatography A</i> , 2011, 1218, 8600-8607.	3.7	19
28	Analysis of testosterone in human urine using molecularly imprinted solid-phase extraction and corona discharge ion mobility spectrometry. <i>Journal of Separation Science</i> , 2011, 34, 107-112.	2.5	18
29	The effect of dichlorvos on the structural alteration of serum albumins: a combined spectroscopic and molecular dynamic simulation approach. <i>Monatshefte für Chemie</i> , 2017, 148, 1141-1151.	1.8	18
30	Determination of volatile residual solvents in pharmaceutical products by static and dynamic headspace liquid-phase microextraction combined with gas chromatography-flame ionization detection. <i>Analytical Methods</i> , 2012, 4, 1552-1559.	2.7	16
31	Folate receptor-targeted multimodal fluorescence mesosilica nanoparticles for imaging, delivery palladium complex and <i>in vitro</i> G-quadruplex DNA interaction. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 4156-4169.	3.5	15
32	Analysis of amantadine in biological fluids using hollow fiber-based liquid-liquid-liquid microextraction followed by corona discharge ion mobility spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 3065-3070.	2.3	14
33	Interactions of G-quadruplex DNA binding site with berberine derivatives and construct a structure-based QSAR using docking descriptors. <i>Medicinal Chemistry Research</i> , 2014, 23, 1327-1339.	2.4	13
34	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
35	Analysis of dextromethorphan and pseudoephedrine in human plasma and urine samples using hollow fiber-based liquid-liquid-liquid microextraction and corona discharge ion mobility spectrometry. <i>Mikrochimica Acta</i> , 2012, 176, 471-478.	5.0	12
36	A chemiluminescent metalloimmunoassay based on copper-enhanced gold nanoparticles for quantification of human growth hormone. <i>Luminescence</i> , 2013, 28, 780-784.	2.9	12

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37	Determination of artemisinin in <i>Artemisia</i> species by hollow fiber-based liquid-phase microextraction and electrospray ionization-ion mobility spectrometry. <i>Analytical Methods</i> , 2013, 5, 4190.	2.7	10
38	Electrospray Ionization-Ion Mobility Spectrometry in the Negative Mode Combined with Hollow Fiber Liquid-Liquid Microextraction for the Determination of Diclofenac in Urine and Plasma Samples. <i>Chromatographia</i> , 2017, 80, 951-959.	1.3	6
39	Molecularly imprinted graphite spray ionization-ion mobility spectrometry: application to trace analysis of the pesticide propoxur. <i>Mikrochimica Acta</i> , 2019, 186, 396.	5.0	6
40	Electrospun Nanofibers of Poly(methylmethacrylate)/Polystyrene Blend as a Microcolumn Extraction Sorbent Followed by Corona Discharge Ion Mobility Spectrometry for Analysis of Tramadol in Biological Fluids. <i>Chromatographia</i> , 2013, 76, 541-548.	1.3	5
41	Controlled release of Doxorubicin embedded in carboxymethyl chitosan nanofibers. <i>Journal of the Textile Institute</i> , 2018, 109, 178-185.	1.9	5
42	Poly(vinyl alcohol)-based electrospun nanofibers for the sustained release of celecoxib: Characterization and evaluation of drug release mechanism. <i>Polymer Composites</i> , 2018, 39, E221.	4.6	5
43	An in silico approach to design peptide mimetics based on docking and molecular dynamics simulation of EGFR-matuzumab complex. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 1805-1817.	2.2	3
44	Multitarget fragment-based design of novel inhibitors for AChE and SSAO/VAP-1 enzymes. <i>Journal of Chemometrics</i> , 2013, 27, 297-305.	1.3	2
45	Separation of sarcosine and L-alanine isomers using corona discharge ion mobility spectrometry. <i>Journal of Analytical Chemistry</i> , 2014, 69, 513-518.	0.9	2
46	Spectroscopic and molecular modeling studies on the interactions of some benzofuran derivatives with BSA. <i>Monatshefte für Chemie</i> , 2017, 148, 1887-1896.	1.8	2
47	Porous graphite sheet spray ionization ion mobility spectrometry. <i>Journal of Mass Spectrometry</i> , 2018, 53, 1135-1142.	1.6	2
48	HER-2-based design of pertuzumab mimetic peptides. <i>Molecular Simulation</i> , 2015, 41, 1298-1307.	2.0	1