Soheila Kashanian

List of Publications by Year
in descending order

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115 papers	4,259 citations	81900 39 h-index	133252 59 g-index
115 all docs	115 docs citations	115 times ranked	5435 citing authors

#	Article	IF	Citations
1	DNA binding and DNA cleavage studies of a water soluble cobalt(II) complex containing dinitrogen Schiff base ligand: The effect of metal on the mode of binding. European Journal of Medicinal Chemistry, 2010, 45, 4239-4245.	5.5	247
2	Biochemical and pharmacological characterization of isatin and its derivatives: from structure to activity. Pharmacological Reports, 2013, 65, 313-335.	3.3	164
3	Drug targeting using solid lipid nanoparticles. Chemistry and Physics of Lipids, 2014, 181, 56-61.	3.2	143
4	DNA binding studies of 2-tert-butylhydroquinone (TBHQ) food additive. Food Chemistry, 2009, 116, 743-747.	8.2	113
5	A review on DNA interaction with synthetic phenolic food additives. Food Research International, 2010, 43, 1223-1230.	6.2	113
6	A novel enzyme based biosensor for catechol detection in water samples using artificial neural network. Biochemical Engineering Journal, 2017, 128, 1-11.	3.6	96
7	In Vitro Study of DNA Interaction with Clodinafop-Propargyl Herbicide. DNA and Cell Biology, 2008, 27, 581-586.	1.9	93
8	DNA interaction studies of a platinum(II) complex, PtCl2(NN) (NN=4,7-dimethyl-1,10-phenanthroline), using different instrumental methods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 72, 757-761.	3.9	93
9	Spectroscopic Studies on the Interaction of Isatin with Calf Thymus DNA. DNA and Cell Biology, 2010, 29, 639-646.	1.9	93
10	In Vitro Study of DNA Interaction with a Water-Soluble Dinitrogen Schiff Base. DNA and Cell Biology, 2009, 28, 589-596.	1.9	92
11	Cytotoxicity and DNA Fragmentation Properties of Butylated Hydroxyanisole. DNA and Cell Biology, 2013, 32, 98-103.	1.9	80
12	Multispectroscopic DNA interaction studies of a water-soluble nickel(II) complex containing different dinitrogen aromatic ligands. Transition Metal Chemistry, 2010, 35, 699-705.	1.4	78
13	Laccase immobilization on the electrode surface to design a biosensor for the detection of phenolic compound such as catechol. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 145, 130-138.	3.9	77
14	Intrinsic parameters for the synthesis and tuned properties of amphiphilic chitosan drug delivery nanocarriers. Journal of Controlled Release, 2017, 260, 213-225.	9.9	77
15	Surface functionalized dendrimers as controlled-release delivery nanosystems for tumor targeting. European Journal of Pharmaceutical Sciences, 2018, 122, 311-330.	4.0	77
16	A targeted drug delivery system based on dopamine functionalized nano graphene oxide. Chemical Physics Letters, 2017, 668, 56-63.	2.6	74
17	Strategies for optimizing DNA hybridization on surfaces. Analytical Biochemistry, 2014, 444, 41-46.	2.4	73
18	Evaluation of mesoporous silicon/polycaprolactone composites as ophthalmic implants. Acta Biomaterialia, 2010, 6, 3566-3572.	8.3	71

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19	Spectroscopic Studies on the Interaction of Quercetinâ€“Terbium(III) Complex with Calf Thymus DNA. DNA and Cell Biology, 2011, 30, 195-201.	1.9	71
20	Folic acid receptor-targeted solid lipid nanoparticles to enhance cytotoxicity of letrozole through induction of caspase-3 dependent-apoptosis for breast cancer treatment. Pharmaceutical Development and Technology, 2020, 25, 397-407.	2.4	66
21	Interaction of Diazinon with DNA and the Protective Role of Selenium in DNA Damage. DNA and Cell Biology, 2008, 27, 325-332.	1.9	60
22	Spectroscopic and molecular modeling studies of human serum albumin interaction with propyl gallate. RSC Advances, 2014, 4, 64559-64564.	3.6	60
23	Complex formation of alkaline earth cations with benzo-15-crown-5 and some 18-crowns in methanol, dimethylformamide and dimethyl sulfoxide solutions. Inorganica Chimica Acta, 1989, 155, 203-206.	2.4	57
24	A novel fabrication of sensor using ZnO-Al2O3 ceramic nanofibers to simultaneously detect catechol and hydroquinone. Journal of Electroanalytical Chemistry, 2018, 812, 122-131.	3.8	57
25	Preparation, Characterization, and DNA Binding Studies of Water-Soluble Quercetinâ€“Molybdenum(VI) Complex. DNA and Cell Biology, 2011, 30, 517-523.	1.9	56
26	Novel amphiphilic chitosan nanocarriers for sustained oral delivery of hydrophobic drugs. European Journal of Pharmaceutical Sciences, 2017, 99, 285-291.	4.0	56
27	DNA Binding Studies of Tartrazine Food Additive. DNA and Cell Biology, 2011, 30, 499-505.	1.9	54
28	In Vitro Study of Calf Thymus DNA Interaction with Butylated Hydroxyanisole. DNA and Cell Biology, 2009, 28, 535-540.	1.9	53
29	DNA binding, DNA cleavage and cytotoxicity studies of a new water soluble copper(II) complex: The effect of ligand shape on the mode of binding. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 86, 351-359.	3.9	53
30	Geno- and cytotoxicity of propyl gallate food additive. Drug and Chemical Toxicology, 2014, 37, 241-246.	2.3	53
31	Kinetic and thermodynamic insights into interaction of albumin with piperacillin: Spectroscopic and molecular modeling approaches. Journal of Molecular Liquids, 2019, 296, 111770.	4.9	50
32	Nanomaterial and advanced technologies in transdermal drug delivery. Journal of Drug Targeting, 2020, 28, 356-367.	4.4	50
33	In vitro studies on calf thymus DNA interaction and 2-tert-butyl-4-methylphenol food additive. European Food Research and Technology, 2010, 230, 821-825.	3.3	48
34	DNA Binding Studies of 3, 5, 6-Trichloro-2-Pyridinol Pesticide Metabolite. DNA and Cell Biology, 2012, 31, 1341-1348.	1.9	47
35	In vitro DNA binding studies of Aspartame, an artificial sweetener. Journal of Photochemistry and Photobiology B: Biology, 2013, 120, 104-110.	3.8	47
36	Multi-spectroscopic DNA interaction studies of sunset yellow food additive. Molecular Biology Reports, 2012, 39, 10045-10051.	2.3	44

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37	Colloidal Nanogold-Based Immunochromatographic Strip Test for the Detection of Digoxin Toxicity. Applied Biochemistry and Biotechnology, 2010, 160, 843-855.	2.9	43
38	Hydrophobic amino acids grafted onto chitosan: a novel amphiphilic chitosan nanocarrier for hydrophobic drugs. Drug Development and Industrial Pharmacy, 2017, 43, 1-11.	2.0	43
39	Studies of thermostability in Camelus bactrianus (Bactrian camel) single-domain antibody specific for the mutant epidermal-growth-factor receptor expressed by Pichia. Biotechnology and Applied Biochemistry, 2007, 46, 41.	3.1	42
40	A highly sensitive quantum dots-DNA nanobiosensor based on fluorescence resonance energy transfer for rapid detection of nanomolar amounts of human papillomavirus 18. Journal of Pharmaceutical and Biomedical Analysis, 2017, 136, 140-147.	2.8	41
41	Folate Conjugated Hybrid Nanocarrier for Targeted Letrozole Delivery in Breast Cancer Treatment. Pharmaceutical Research, 2017, 34, 2798-2808.	3.5	41
42	New surface-modified solid lipid nanoparticles using N-glutaryl phosphatidylethanolamine as the outer shell. International Journal of Nanomedicine, 2011, 6, 2393.	6.7	40
43	A high-performance electrochemical aptasensor based on graphene-decorated rhodium nanoparticles to detect HER2-ECD oncomarker in liquid biopsy. Scientific Reports, 2022, 12, 3299.	3.3	38
44	Fluorometric study of fluoxetine DNA binding. Journal of Photochemistry and Photobiology B: Biology, 2012, 113, 1-6.	3.8	36
45	Development and characterization of folic acid-functionalized apoferritin as a delivery vehicle for epirubicin against MCF-7 breast cancer cells. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 847-854.	2.8	36
46	Redox-Sensitive and Hyaluronic Acid-Functionalized Nanoparticles for Improving Breast Cancer Treatment by Cytoplasmic 17Î±-Methyltestosterone Delivery. Molecules, 2020, 25, 1181.	3.8	36
47	Voltammetric immunosensor for E-cadherin promoter DNA methylation using a Fe3O4-citric acid nanocomposite and a screen-printed carbon electrode modified with poly(vinyl alcohol) and reduced graphene oxide. Mikrochimica Acta, 2019, 186, 170.	5.0	31
48	A Comprehensive Physicochemical, In Vitro and Molecular Characterization of Letrozole Incorporated Chitosan-Lipid Nanocomplex. Pharmaceutical Research, 2019, 36, 62.	3.5	30
49	A highly sensitive nanobiosensor based on aptamer-conjugated graphene-decorated rhodium nanoparticles for detection of HER2-positive circulating tumor cells. Nanotechnology Reviews, 2022, 11, 793-810.	5.8	30
50	DNA Binding and Gel Electrophoresis Studies of a Copper (II) Complex Containing Mixed Aliphatic and Aromatic Dinitrogen Ligands. DNA and Cell Biology, 2010, 29, 329-336.	1.9	28
51	Surfactant effects on the particle size, zeta potential, and stability of starch nanoparticles and their use in a pH-responsive manner. Cellulose, 2017, 24, 4217-4234.	4.9	28
52	DNA binding studies of PdCl2(LL)(LL = chelating diamine ligand: N,N-dimethyltrimethylenediamine) complex. Biochemistry (Moscow), 2008, 73, 929-936.	1.5	27
53	Two- and three-way chemometric analyses for investigation of interactions of acarbose with normal and glycated human serum albumin: Developing a novel biosensing system. Microchemical Journal, 2021, 160, 105675.	4.5	27
54	DNA-Binding Studies of Fluoxetine Antidepressant. DNA and Cell Biology, 2012, 31, 1349-1355.	1.9	26

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55	Nanotechnology application in drug delivery to osteoarthritis (OA), rheumatoid arthritis (RA), and osteoporosis (OSP). Journal of Drug Delivery Science and Technology, 2021, 61, 102011.	3.0	26
56	Preparation of solid lipid nanoparticles as drug carriers for levothyroxine sodium with in vitro drug delivery kinetic characterization. Molecular Biology Reports, 2014, 41, 3521-3527.	2.3	25
57	Spectrophotometric study of the complexation reactions between alkaline earth cations and murexide in some non-aqueous solutions. Polyhedron, 1988, 7, 1227-1230.	2.2	24
58	A Review on Targeting Nanoparticles for Breast Cancer. Current Pharmaceutical Biotechnology, 2019, 20, 1087-1107.	1.6	24
59	Dissolving microneedle-assisted long-acting Liraglutide delivery to control type 2 diabetes and obesity. European Journal of Pharmaceutical Sciences, 2021, 167, 106040.	4.0	24
60	Spectrophotometric study of the alkali metalâ€"murexide complexes in some non-aqueous solutions. Talanta, 1989, 36, 773-776.	5.5	23
61	Synthesis, characterization and in vitro biocompatibility study of Au/TMC/Fe₃O₄ nanocomposites as a promising, nontoxic system for biomedical applications. Beilstein Journal of Nanotechnology, 2015, 6, 1677-1689.	2.8	23
62	Novel fabrication of a laccase biosensor to detect phenolic compounds using a carboxylated multiwalled carbon nanotube on the electropolymerized support. Bulletin of Materials Science, 2019, 42, 1.	1.7	23
63	PEG-stearate coated solid lipid nanoparticles as levothyroxine carriers for oral administration. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	22
64	Synthesis, characterization, cytotoxicity and DNA binding studies of Fe 3 O 4 @SiO 2 nanoparticles coated by an antiviral drug lamivudine. Journal of Drug Delivery Science and Technology, 2018, 46, 55-65.	3.0	22
65	Multi-spectroscopic, thermodynamic and molecular dockimg insights into interaction of bovine serum albumin with calcium lactate. Microchemical Journal, 2020, 154, 104580.	4.5	21
66	Highly selective and sensitive molecularly imprinting electrochemical sensing platform for bilirubin detection in saliva. Microchemical Journal, 2021, 168, 106367.	4.5	20
67	Spectrophotometric study of some alkaline-earth and of silver complexes with dibenzo-30-crown-10 in methanol, dimethylformamide and dimethylsulfoxide solutions. Polyhedron, 1987, 6, 535-538.	2.2	19
68	Continuous production of monoclonal antibody in a packedâ€bed bioreactor. Biotechnology and Applied Biochemistry, 2005, 41, 273-278.	3.1	19
69	Biomimetic synthesis and characterization of cobalt nanoparticles using apoferritin, and investigation of direct electron transfer of Co(NPs)â€"ferritin at modified glassy carbon electrode to design a novel nanobiosensor. Molecular Biology Reports, 2012, 39, 8793-8802.	2.3	19
70	Human serum albumin interaction studies of a new copper(II) complex containing ceftobiprole drug using molecular modeling and multispectroscopic methods. Journal of Coordination Chemistry, 2018, 71, 329-341.	2.2	19
71	DNA Binding, DNA Cleavage, and Cytotoxicity Studies of Two New Copper (II) Complexes. DNA and Cell Biology, 2011, 30, 287-296.	1.9	18
72	Molecular aspects on the interaction of isatin-3-isonicotinylhydrazone to deoxyribonucleic acid: model for intercalative drug-DNA binding. Molecular Biology Reports, 2012, 39, 3853-3861.	2.3	18

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73	A novel sensitive laccase biosensor using gold nanoparticles and poly Lâ€arginine to detect catechol in natural water. Biotechnology and Applied Biochemistry, 2019, 66, 502-509.	3.1	18
74	New Folate-Modified Human Serum Albumin Conjugated to Cationic Lipid Carriers for Dual Targeting of Mitoxantrone against Breast Cancer. Current Pharmaceutical Biotechnology, 2020, 21, 305-315.	1.6	18
75	Biosensor design using an electroactive label-based aptamer to detect bisphenol A in serum samples. Journal of Biosciences, 2019, 44, 1.	1.1	17
76	Laccase immobilized onto graphene oxide nanosheets and electrodeposited goldâ€“cetyltrimethylammonium bromide complex to fabricate a novel catechol biosensor. Bulletin of Materials Science, 2019, 42, 1.	1.7	17
77	Recent Insights into Effective Nanomaterials and Biomacromolecules Conjugation in Advanced Drug Targeting. Current Pharmaceutical Biotechnology, 2019, 20, 526-541.	1.6	17
78	DNA Interaction with PtCl2(LL) (LL = Chelating Diamine Ligand: N,N-Dimethyltrimethylendiamine) Complex. Applied Biochemistry and Biotechnology, 2009, 158, 1-10.	2.9	16
79	Stability improvement of immobilized lactoperoxidase using polyaniline polymer. Molecular Biology Reports, 2012, 39, 10407-10412.	2.3	16
80	Preparation of Amphiphilic Chitosan Nanoparticles for Controlled Release of Hydrophobic Drugs. Journal of Nanoscience and Nanotechnology, 2017, 17, 5226-5232.	0.9	16
81	Modeling of ultrasensitive DNA hybridization detection based on gold nanoparticles/carbon-nanotubes/chitosan-modified electrodes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 587, 124219.	4.7	16
82	Thermodynamic analysis of albumin interaction with monosodium glutamate food additive: Insights from multi-spectroscopic and molecular docking approaches. Journal of Molecular Structure, 2020, 1221, 128785.	3.6	16
83	DNA Interaction and DNA Cleavage Studies of a New Platinum(II) Complex Containing Aliphatic and Aromatic Dinitrogen Ligands. Bioinorganic Chemistry and Applications, 2011, 2011, 1-10.	4.1	15
84	Signal amplification strategy using gold/ N â€trimethyl chitosan/iron oxide magnetic composite nanoparticles as a tracer tag for highâ€sensitive electrochemical detection. IET Nanobiotechnology, 2016, 10, 20-27.	3.8	13
85	Determination of cDNA encoding BCR/ABL fusion gene in patients with chronic myelogenous leukemia using a novel FRET-based quantum dots-DNA nanosensor. Analytica Chimica Acta, 2017, 966, 62-70.	5.4	13
86	A novel intracellular pH-responsive formulation for FTY720 based on PEGylated graphene oxide nano-sheets. Drug Development and Industrial Pharmacy, 2018, 44, 99-108.	2.0	13
87	miRNA-21 rapid diagnosis by one-pot synthesis of highly luminescent red emissive silver nanoclusters/DNA. Sensors and Actuators B: Chemical, 2020, 308, 127673.	7.8	13
88	Sensitive electrochemical biosensing of H 2 O 2 based on cobalt nanoparticles synthesised in iron storage protein molecules, ferritin. IET Nanobiotechnology, 2014, 8, 196-200.	3.8	11
89	Interaction of a copper (II) complex containing an artificial sweetener (aspartame) with calf thymus DNA. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 120, 1-6.	3.9	11
90	Enhanced Intracellular Delivery of Curcumin by Chitosan-Lipoic Acid as Reduction-Responsive Nanoparticles. Current Pharmaceutical Biotechnology, 2021, 22, 622-635.	1.6	11

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91	Active Targeting Towards and Inside the Brain based on Nanoparticles: A Review. Current Pharmaceutical Biotechnology, 2020, 21, 374-383.	1.6	11
92	DNA interaction of [Cu(dmp)(phen-dion)] (dmp=4,7 and 2,9 dimethyl phenanthroline,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 712 Td (ph chitosanâ€“carbon nanotubes composite film. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 114, 642-649.	3.9	10
93	DNA interaction studies of sesamol (3,4-methylenedioxyphenol) food additive. Molecular Biology Reports, 2013, 40, 1173-1179.	2.3	9
94	Study on the interaction of a copper(II) complex containing the artificial sweetener aspartame with human serum albumin. Molecular Biology Reports, 2014, 41, 3271-3278.	2.3	9
95	An electrochemical biosensor based on cobalt nanoparticles synthesized in iron storage protein molecules to determine ascorbic acid. Biotechnology and Applied Biochemistry, 2016, 63, 740-745.	3.1	9
96	A promising dual-drug targeted delivery system in cancer therapy: nanocomplexes of folateâ€“apoferritin-conjugated cationic solid lipid nanoparticles. Pharmaceutical Development and Technology, 2021, 26, 673-681.	2.4	9
97	Novel elastomeric fibrous composites of poly-Îµ-caprolactone/propolis and their evaluation for biomedical applications. Journal of Polymer Research, 2022, 29, .	2.4	9
98	Partially Folded Conformations of Bovine Liver Glutamate Dehydrogenase Induced by Mild Acidic Conditions. Journal of Biochemistry, 2007, 142, 193-200.	1.7	7
99	Purification, Immobilization, and Characterization of Bovine Lactoperoxidase. International Journal of Food Properties, 2013, 16, 905-916.	3.0	7
100	Interaction of two new mixed ligand copper(II) complexes with DNA probed by thermodynamic and spectroscopic studies. Molecular Biology Reports, 2014, 41, 25-37.	2.3	7
101	Apoferritinâ€templated biosynthesis of manganese nanoparticles and investigation of direct electron transfer of MnNPsâ€“HsAFr at modified glassy carbon electrode. Biotechnology and Applied Biochemistry, 2017, 64, 110-116.	3.1	7
102	A Novel and Enhanced Membrane-Free Performance of Glucose/O₂ Biofuel Cell, Integrated With Biocompatible Laccase Nanoflower Biocathode and Glucose Dehydrogenase Bioanode. IEEE Sensors Journal, 2019, 19, 11988-11994.	4.7	7
103	A fluorescent sensor based on methyldopa drug modified Î³-Fe 2 O 3 nanoparticles for ultrasensitive detection of calf thymus DNA. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 157, 104-109.	3.9	6
104	Characteristics of SARS-CoV2 that may be useful for nanoparticle pulmonary drug delivery. Journal of Drug Targeting, 2022, 30, 233-243.	4.4	6
105	The Potential Effect of Insulin on AChE and Its Interactions with Rivastigmine In Vitro. Pharmaceuticals, 2021, 14, 1136.	3.8	5
106	Structural and Functional Study of Rabbit Polyclonal Antibody for Immunoassay Purposes. Hybridoma, 2008, 27, 48-53.	0.4	4
107	Effect of Osmolytes on the Conformational Stability of Mouse Monoclonal Antidigoxin Antibody in Long-Term Storage. Hybridoma, 2008, 27, 99-106.	0.4	4
108	DNA Interaction Studies of Ethylenediaminetetraaceticacid Food Additive and Selenium Effect in DNA Cleavage-Inhibition. DNA and Cell Biology, 2011, 30, 1085-1090.	1.9	4

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109	Spectroscopic studies on the interaction of aspartame with human serum albumin. Nucleosides, Nucleotides and Nucleic Acids, 2021, 40, 300-316.	1.1	4
110	Effect of Fabrication Parameters on the Physiochemical Properties of Amphiphilic Chitosan Nanoparticles. Iranian Journal of Science and Technology, Transaction A: Science, 2018, 42, 1873-1879.	1.5	3
111	Enhanced Synergistic-Antioxidant Activity of Melatonin and Tretinoin by Co-encapsulation into Amphiphilic Chitosan Nanocarriers: During Mice In Vitro Matured Oocyte/Morula-Compact Stage Embryo Culture Model. Reproductive Sciences, 2021, 28, 3361-3379.	2.5	3
112	Biosensor design using an electroactive label-based aptamer to detect bisphenol A in serum samples. Journal of Biosciences, 2019, 44, .	1.1	3
113	Direct effects of low-energy electrons on including sulfur bonds in proteins: a second-order MÃ¸llerâ€“Plesset perturbation (MP2) theory approach. Journal of Biomolecular Structure and Dynamics, 2021, 39, 1681-1687.	3.5	1
114	Structural and Functional Study of Mouse Antidigoxin Monoclonal Antibody Against Thermal Variation. Hybridoma, 2008, 27, 123-130.	0.4	0
115	Stealth cross-linked polymeric nanoparticles for passive drug targeting: a combination of molecular docking and comprehensive in vitro assay. Bulletin of Materials Science, 2020, 43, 1.	1.7	0