## Soheila Kashanian

List of Publications by Year in descending order

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

#	Article	IF	CITATIONS
1	Characteristics of SARS-CoV2 that may be useful for nanoparticle pulmonary drug delivery. Journal of Drug Targeting, 2022, 30, 233-243.	4.4	6
2	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 <b>.</b> 8	30
3	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
4	Novel elastomeric fibrous composites of poly-ε-caprolactone/propolis and their evaluation for biomedical applications. Journal of Polymer Research, 2022, 29, .	2.4	9
5	Direct effects of low-energy electrons on including sulfur bonds in proteins: a second-order Møller–Plesset perturbation (MP2) theory approach. Journal of Biomolecular Structure and Dynamics, 2021, 39, 1681-1687.	3.5	1
6	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
7	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
8	Spectroscopic studies on the interaction of aspartame with human serum albumin. Nucleosides, Nucleotides and Nucleic Acids, 2021, 40, 300-316.	1.1	4
9	A promising dual-drug targeted delivery system in cancer therapy: nanocomplexes of folate–apoferritin-conjugated cationic solid lipid nanoparticles. Pharmaceutical Development and Technology, 2021, 26, 673-681.	2.4	9
10	Enhanced Intracellular Delivery of Curcumin by Chitosan-Lipoic Acid as Reduction-Responsive Nanoparticles. Current Pharmaceutical Biotechnology, 2021, 22, 622-635.	1.6	11
11	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
12	Highly selective and sensitive molecularly imprinting electrochemical sensing platform for bilirubin detection in saliva. Microchemical Journal, 2021, 168, 106367.	<b>4.</b> 5	20
13	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
14	The Potential Effect of Insulin on AChE and Its Interactions with Rivastigmine In Vitro. Pharmaceuticals, 2021, 14, 1136.	3.8	5
15	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
16	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
17	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
18	Nanomaterial and advanced technologies in transdermal drug delivery. Journal of Drug Targeting, 2020, 28, 356-367.	4.4	50

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19	Multi-spectroscopic, thermodynamic and molecular dockimg insights into interaction of bovine serum albumin with calcium lactate. Microchemical Journal, 2020, 154, 104580.	4.5	21
20	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
21	Redox-Sensitive and Hyaluronic Acid-Functionalized Nanoparticles for Improving Breast Cancer Treatment by Cytoplasmic 17î±-Methyltestosterone Delivery. Molecules, 2020, 25, 1181.	3.8	36
22	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
23	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
24	Active Targeting Towards and Inside the Brain based on Nanoparticles: A Review. Current Pharmaceutical Biotechnology, 2020, 21, 374-383.	1.6	11
25	Biosensor design using an electroactive label-based aptamer to detect bisphenol A in serum samples. Journal of Biosciences, 2019, 44, 1.	1.1	17
26	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
27	A Novel and Enhanced Membrane-Free Performance of Glucose/O <sub>2</sub> Biofuel Cell, Integrated With Biocompatible Laccase Nanoflower Biocathode and Glucose Dehydrogenase Bioanode. IEEE Sensors Journal, 2019, 19, 11988-11994.	4.7	7
28	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
29	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
30	A Comprehensive Physicochemical, In Vitro and Molecular Characterization of Letrozole Incorporated Chitosan-Lipid Nanocomplex. Pharmaceutical Research, 2019, 36, 62.	3.5	30
31	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
32	Laccase immobilized onto graphene oxide nanosheets and electrodeposited gold–cetyltrimethylammonium bromide complex to fabricate a novel catechol biosensor. Bulletin of Materials Science, 2019, 42, 1.	1.7	17
33	Recent Insights into Effective Nanomaterials and Biomacromolecules Conjugation in Advanced Drug Targeting. Current Pharmaceutical Biotechnology, 2019, 20, 526-541.	1.6	17
34	A Review on Targeting Nanoparticles for Breast Cancer. Current Pharmaceutical Biotechnology, 2019, 20, 1087-1107.	1.6	24
35	Biosensor design using an electroactive label-based aptamer to detect bisphenol A in serum samples. Journal of Biosciences, 2019, 44, .	1.1	3
36	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

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37	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
38	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
39	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
40	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
41	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
42	Surface functionalized dendrimers as controlled-release delivery nanosystems for tumor targeting. European Journal of Pharmaceutical Sciences, 2018, 122, 311-330.	4.0	77
43	Apoferritinâ€ŧemplated biosynthesis of manganese nanoparticles and investigation of direct electron transfer of MnNPs–HsAFr at modified glassy carbon electrode. Biotechnology and Applied Biochemistry, 2017, 64, 110-116.	3.1	7
44	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
45	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
46	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
47	A targeted drug delivery system based on dopamine functionalized nano graphene oxide. Chemical Physics Letters, 2017, 668, 56-63.	2.6	74
48	Novel amphiphilic chitosan nanocarriers for sustained oral delivery of hydrophobic drugs. European Journal of Pharmaceutical Sciences, 2017, 99, 285-291.	4.0	56
49	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
50	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
51	Folate Conjugated Hybrid Nanocarrier for Targeted Letrozole Delivery in Breast Cancer Treatment. Pharmaceutical Research, 2017, 34, 2798-2808.	3.5	41
52	Preparation of Amphiphilic Chitosan Nanoparticles for Controlled Release of Hydrophobic Drugs. Journal of Nanoscience and Nanotechnology, 2017, 17, 5226-5232.	0.9	16
53	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
54	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

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55	Signal amplification strategy using gold/ <i>N</i> 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
56	A fluorescent sensor based on methyldopa drug modified $\hat{l}^3$ -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
57	Synthesis, characterization and in vitro biocompatibility study of Au/TMC/Fe <sub>3</sub> O <sub>4</sub> nanocomposites as a promising, nontoxic system for biomedical applications. Beilstein Journal of Nanotechnology, 2015, 6, 1677-1689.	2.8	23
58	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
59	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
60	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
61	PEG-stearate coated solid lipid nanoparticles as levothyroxine carriers for oral administration. Journal of Nanoparticle Research, 2014, $16$ , $1$ .	1.9	22
62	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
63	Drug targeting using solid lipid nanoparticles. Chemistry and Physics of Lipids, 2014, 181, 56-61.	3.2	143
64	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
65	Geno- and cytotoxicity of propyl gallate food additive. Drug and Chemical Toxicology, 2014, 37, 241-246.	2.3	53
66	Strategies for optimizing DNA hybridization on surfaces. Analytical Biochemistry, 2014, 444, 41-46.	2.4	73
67	Spectroscopic and molecular modeling studies of human serum albumin interaction with propyl gallate. RSC Advances, 2014, 4, 64559-64564.	3.6	60
68	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
69	DNA interaction studies of sesamol (3,4-methylenedioxyphenol) food additive. Molecular Biology Reports, 2013, 40, 1173-1179.	2.3	9
70	Biochemical and pharmacological characterization of isatin and its derivatives: from structure to activity. Pharmacological Reports, 2013, 65, 313-335.	3.3	164
71	DNA interaction of [Cu(dmp)(phen-dion)] (dmp=4,7 and 2,9 dimethyl phenanthroline,) Tj ETQq1 1 0.784314 rgBT chitosan–carbon nanotubes composite film. Spectrochimica Acta - Part A: Molecular and	/Overlock 3.9	10 Tf 50 1
72	Biomolecular Spectroscopy, 2013, 114, 642-649.  In vitro DNA binding studies of Aspartame, an artificial sweetener. Journal of Photochemistry and Photobiology B: Biology, 2013, 120, 104-110.	3.8	47

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73	Purification, Immobilization, and Characterization of Bovine Lactoperoxidase. International Journal of Food Properties, 2013, 16, 905-916.	3.0	7
74	Cytotoxicity and DNA Fragmentation Properties of Butylated Hydroxyanisole. DNA and Cell Biology, 2013, 32, 98-103.	1.9	80
75	Fluorometric study of fluoxetine DNA binding. Journal of Photochemistry and Photobiology B: Biology, 2012, 113, 1-6.	3.8	36
76	DNA-Binding Studies of Fluoxetine Antidepressant. DNA and Cell Biology, 2012, 31, 1349-1355.	1.9	26
77	DNA Binding Studies of 3, 5, 6-Trichloro-2-Pyridinol Pesticide Metabolite. DNA and Cell Biology, 2012, 31, 1341-1348.	1.9	47
78	Multi-spectroscopic DNA interaction studies of sunset yellow food additive. Molecular Biology Reports, 2012, 39, 10045-10051.	2.3	44
79	Stability improvement of immobilized lactoperoxidase using polyaniline polymer. Molecular Biology Reports, 2012, 39, 10407-10412.	2.3	16
80	Biomimetic synthesis and characterization of cobalt nanoparticles using apoferritin, and investigation of direct electron transfer of Co(NPs)–ferritin at modified glassy carbon electrode to design a novel nanobiosensor. Molecular Biology Reports, 2012, 39, 8793-8802.	2.3	19
81	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
82	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
83	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
84	Spectroscopic Studies on the Interaction of Quercetin–Terbium(III) Complex with Calf Thymus DNA. DNA and Cell Biology, 2011, 30, 195-201.	1.9	71
85	Preparation, Characterization, and DNA Binding Studies of Water-Soluble Quercetin–Molybdenum(VI) Complex. DNA and Cell Biology, 2011, 30, 517-523.	1.9	56
86	DNA Binding Studies of Tartrazine Food Additive. DNA and Cell Biology, 2011, 30, 499-505.	1.9	54
87	DNA Binding, DNA Cleavage, and Cytotoxicity Studies of Two New Copper (II) Complexes. DNA and Cell Biology, 2011, 30, 287-296.	1.9	18
88	New surface-modified solid lipid nanoparticles using N-glutaryl phosphatidylethanolamine as the outer shell. International Journal of Nanomedicine, $2011, 6, 2393$ .	6.7	40
89	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
90	Spectroscopic Studies on the Interaction of Isatin with Calf Thymus DNA. DNA and Cell Biology, 2010, 29, 639-646.	1.9	93

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91	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
92	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
93	Colloidal Nanogold-Based Immunochromatographic Strip Test for the Detection of Digoxin Toxicity. Applied Biochemistry and Biotechnology, 2010, 160, 843-855.	2.9	43
94	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
95	Evaluation of mesoporous silicon/polycaprolactone composites as ophthalmic implants. Acta Biomaterialia, 2010, 6, 3566-3572.	8.3	71
96	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
97	A review on DNA interaction with synthetic phenolic food additives. Food Research International, 2010, 43, 1223-1230.	6.2	113
98	DNA Interaction with PtCl2(LL) (LL = Chelating Diamine Ligand: N,N-Dimethyltrimethylendiamine) Complex. Applied Biochemistry and Biotechnology, 2009, 158, 1-10.	2.9	16
99	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
100	DNA binding studies of 2-tert-butylhydroquinone (TBHQ) food additive. Food Chemistry, 2009, 116, 743-747.	8.2	113
101	<i>In Vitro</i> Study of Calf Thymus DNA Interaction with Butylated Hydroxyanisole. DNA and Cell Biology, 2009, 28, 535-540.	1.9	53
102	<i>In Vitro</i> Study of DNA Interaction with a Water-Soluble Dinitrogen Schiff Base. DNA and Cell Biology, 2009, 28, 589-596.	1.9	92
103	DNA binding studies of PdCl2(LL)(LL = chelating diamine ligand: N,N-dimethyltrimethylenediamine) complex. Biochemistry (Moscow), 2008, 73, 929-936.	1.5	27
104	<i>In Vitro</i> Study of DNA Interaction with Clodinafop-Propargyl Herbicide. DNA and Cell Biology, 2008, 27, 581-586.	1.9	93
105	Structural and Functional Study of Mouse Antidigoxin Monoclonal Antibody Against Thermal Variation. Hybridoma, 2008, 27, 123-130.	0.4	0
106	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
107	Structural and Functional Study of Rabbit Polyclonal Antibody for Immunoassay Purposes. Hybridoma, 2008, 27, 48-53.	0.4	4
108	Effect of Osmolytes on the Conformational Stability of Mouse Monoclonal Antidigoxin Antibody in Long-Term Storage. Hybridoma, 2008, 27, 99-106.	0.4	4

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109	Partially Folded Conformations of Bovine Liver Glutamate Dehydrogenase Induced by Mild Acidic Conditions. Journal of Biochemistry, 2007, 142, 193-200.	1.7	7
110	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
111	Continuous production of monoclonal antibody in a packedâ€bed bioreactor. Biotechnology and Applied Biochemistry, 2005, 41, 273-278.	3.1	19
112	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
113	Spectrophotometric study of the alkali metalâ€"murexide complexes in some non-aqueous solutions. Talanta, 1989, 36, 773-776.	5.5	23
114	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
115	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